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WEST VIRGINIA

VITAL STATISTICS

1980
1981
1982
1983
1984
1985
1986
1987
1988

1989

DEPARTMENT OF HEALTH & HUMAN RESOURCES
BUREAU OF PUBLIC HEALTH
HEALTH STATISTICS CENTER

FORTY-THIRD ANNUAL REPORT

VITAL HEALTH STATISTICS OF WEST VIRGINIA 1989

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FOREWORD

Data used to prepare this report are taken from birth, death, fetal (stillborn), marriage, and divorce certificates of these events occurring in calendar year 1989 and filed in the Office of the West Virginia Registrar of Vital Statistics prior to June 1, 1990. Vital events occurring to West Virginia residents in other states and recorded in the office of the registrar by June 1 are also included in totals by residence.

All statistics contain variations that are the result of chance. This characteristic is of particular importance in classifications of events with small numbers, where small variations are proportionately large in relation to base figures. As an example, small changes in the number of deaths or births in small population areas or in the number of deaths from uncommon causes could result in large changes in the respective rates. For this reason, rates for counties with small populations or other small bases should be used cautiously.

Suggestions and comments on alternate methods of data presentation are welcome. Forward any suggestions to the address below:

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WEST VIRGINIA
VITAL STATISTICS SUMMARY
1989

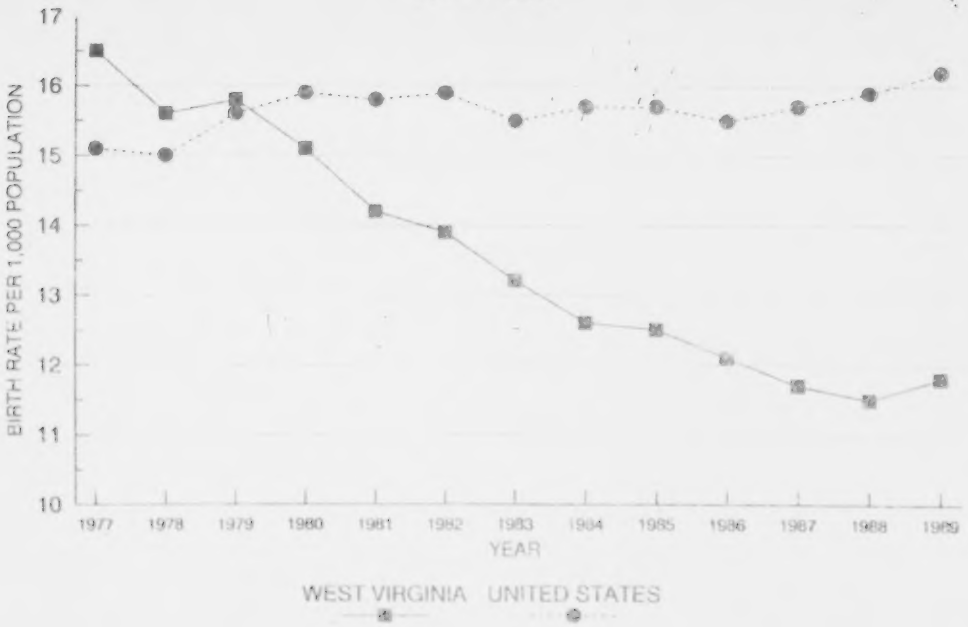
Population

During 1989, 2,542 West Virginians were added to the population as a result of natural increase, the excess of births over deaths. The rate of natural increase was 1.4 persons per 1,000 population, 19% higher than the 1988 rate of 1.1. Preliminary 1990 census figures show the state's population decreased by 167,000 (8.6%) from 1980 to 1990, 1.95 million to 1.78 million. However, since the natural increase from April 1980 to April 1990 was 52,614, outmigration during the decade was closer to 220,000 (11.3%).

Live Births

For the first time in the last ten years, West Virginia births increased, with a total of 22,067 resident live births in 1989. A birth rate of 11.8 per 1,000 population was reported in 1989, compared to 11.6 in 1988. The U.S. 1989 provisional birth rate was 16.2 live births per 1,000 population, 2% higher than the rate for 1988 (15.9). As the graph on the following page shows, West Virginia's birth rate fell below the national birth rate for the first time in 1980, continued to drop even farther through 1988, and then showed a slight upturn in 1989.

WEST VIRGINIA AND UNITED STATES BIRTH RATES
1977-1989



The 1989 U.S. fertility rate of 68.8 live births per 1,000 women aged 15-44 was 2.7% higher than the 1988 rate (67.0). West Virginia's fertility rate remained virtually unchanged, from 50.2 in 1988 to 50.6 in 1989. A comparison of age-specific fertility rates for 1988 (the latest year for which age-specific U.S. data are available) is displayed in the table below.

1988 FERTILITY RATES BY AGE GROUP West Virginia* and United States**					
15-19		20-44		Total	
W.V.	U.S.	W.V.	U.S.	W.V.	U.S.
49.7	51.7	50.3	69.9	50.2	67.0

*State fertility rates were calculated using 1988 population estimates from the Bureau of the Census.

**National Center for Health Statistics, Monthly Vital Statistics Report, Vol. 38, No. 3, Supplement, June 29, 1989.

While the fertility rate among women aged 15-19 in West Virginia was 4% lower than among young women in the U.S. (49.7 vs. 51.7), that among women aged 20-44 was 28% lower in the state than in the nation (50.3 vs. 69.9). As a result of the difference in fertility rates among women aged 20+, the 1988 overall fertility rate for West Virginia was 25% lower than the U.S. rate.

The number of births to teenage mothers increased by 244 (6.6%), from 3,689 in 1988 to 3,933 in 1989. The percentage of total births increased from 17% in 1987 and 1988 to 17.8% in 1989. While the fertility rate among teenagers in West Virginia is not higher than that for the nation as a whole, the significantly lower fertility rate among older women results in teenage births constituting a higher proportion of total births than is found nationally.

In both West Virginia and the United States, the number and percentage of live births occurring out of wedlock has risen steadily during the past decade. Nearly one fourth (23.4%) of all West Virginia resident births in 1989 were to unwed mothers. The percentages of white and black births that occurred out of wedlock in West Virginia in 1989 were 22% and 63%, respectively, compared with 21% and 61% in 1988. The percentage of births to unmarried teenage mothers increased from 50% in 1988 to 52% in 1989.

The percentage of live births of low birthweight (less than 2,500 grams, or 5½ pounds) infants increased 4.1%, from 6.4% in 1988 to 6.6% in 1989. Of the 1,465 low-

birthweight babies, 880 or 60% were preterm babies born before 37 weeks of gestation. (Of all 1989 resident live births of known gestation, 7.2% were preterm babies.) Of the births with known birthweight, 12.8% of black babies and 6.4% of white babies were of low birthweight. Nationally, 6.9% of all infants weighed less than 2,500 grams at birth in 1988. In that year, 5.6% of white infants and 13.0% of black infants were of low birthweight.

Seventy-four percent of mothers who received known prenatal care began their care during the first trimester of pregnancy. Among those receiving prenatal care, 74% of the mothers of white babies began care during the first trimester; 54% of the mothers of black babies did so. No prenatal care was received by 1.1% of the mothers of white babies and by 3.0% of the mothers of black babies.

Deaths

The number of West Virginia resident deaths decreased slightly, from 19,780 in 1988 to 19,525 in 1989. The state's crude death rate decreased from 10.5 in 1988 to 10.4 deaths per 1,000 population in 1989. The national 1989 provisional death rate was 8.7 deaths per 1,000 population, 1% lower than the rate of 8.8 in 1988. The average age at death for West Virginians was 70.8 (67.9 for men and 74.1 for women). One hundred and one West Virginia residents who died in 1989 were age 100 or older; the oldest man was 109 years old and the oldest woman was 110 years old.

Heart diseases, cancer, and stroke, the three leading causes of death, accounted for 66% of West Virginia resident deaths and 64% of United States deaths in 1989. State deaths due to heart diseases and cancer decreased 1.9% and 1.0%, respectively, while deaths due to stroke increased 8.3%. Accidents of all forms increased 4.4% to replace chronic obstructive pulmonary disease as the fourth leading cause of death in West Virginia in 1989.

Unintentional injuries remained the leading cause of death for ages 1 through 34 years. The leading single cause of death for young adults aged 15 through 34 was motor vehicle fatalities, which accounted for 37% of all deaths for this age group in 1989, compared with 38% in 1988. West Virginia's 1989 motor vehicle fatalities included 15 children under 5 years of age, compared to 10 such deaths in 1988.

Suicides increased by 12 or 5.5%, from 218 in 1988 to 230 in 1989. Male suicides increased 31%, from 175 in 1988 to 203 in 1989; female suicides decreased 37%, from 43 in 1988 to 27 in 1989. While suicide was the eighth leading cause of death overall, it was the second leading cause of death for ages 15-34. Teen suicides increased from 14 in 1988 to 20 in 1989.

Years of Potential Life Lost (YPLL)

YPLL is a measure of premature or preventable mortality occurring before the age of 65, calculated as the difference between age 65 and the age at death. The sum of

YPLL over all deaths is the total YPLL from all persons dying before the age of 65. For example, a person dying at the age of 45 contributes 20 years to the total YPLL (65-45=20 YPLL). YPLL is an important tool for emphasizing and evaluating causes of death among persons less than 65 years of age.

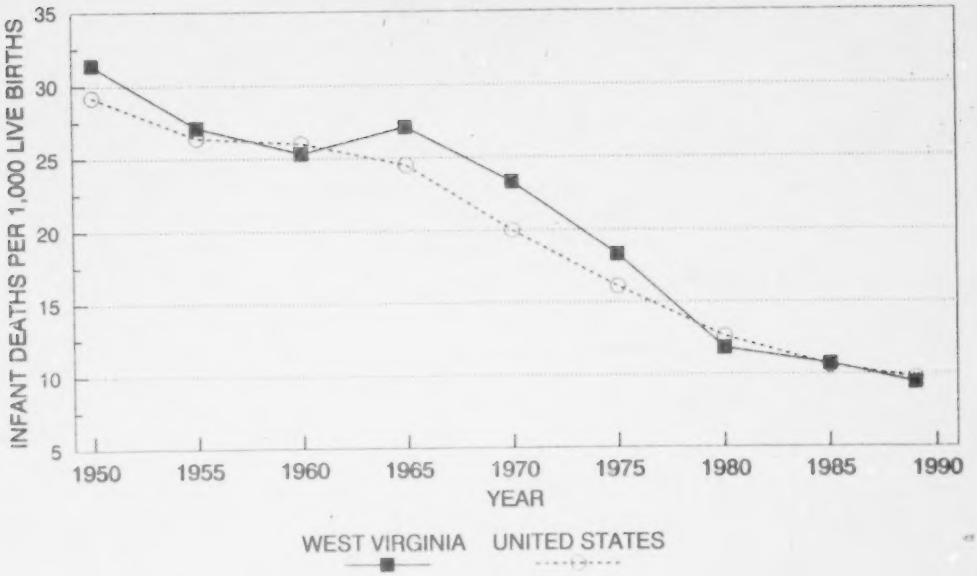
The YPLL from all causes decreased 0.4%, from 88,469 YPLL in 1988 to 88,093 in 1989. The three leading causes of YPLL in 1989 were malignant neoplasms (14,725 YPLL), motor vehicle accidents (14,701 YPLL), and diseases of the heart (13,785 YPLL). Combined, these three causes accounted for almost half of all years of potential life lost in 1989. In comparison to 1988, YPLL attributable to motor vehicle accidents decreased from 17.3% of the total to 16.7%. YPLL due to diseases of the heart decreased from 16.3% to 15.6%, while that due to malignant neoplasms remained unchanged at 16.7%.

Infant Deaths

Deaths of infants under one year of age increased from 197 in 1988 to 208 in 1989. West Virginia's infant mortality rate increased 4% from 9.0 per 1,000 live births in 1988 to 9.4 in 1989. The U.S. provisional 1989 infant mortality rate was 9.7, a 2% decrease from the 1988 rate of 9.9.

The following graph shows the decline in the national and state infant mortality rates from 1950 through 1989.

WEST VIRGINIA AND UNITED STATES
INFANT MORTALITY RATES
1950-1989



The state's 1989 black infant mortality rate decreased 50%, from 21.6 in 1988 to 10.9 in 1989, while the rate for white infants increased 4%, from 9.0 to 9.4. West Virginia's 1989 race-specific infant mortality rates and the U.S. rates for 1987 (the latest year for which national figures are available) are shown in the following table.

1989 WEST VIRGINIA AND 1987 UNITED STATES
INFANT MORTALITY BY RACE
(Number and Rate per 1,000 Live Births)

	WEST VIRGINIA 1989		UNITED STATES 1987	
	Number	Rate	Number	Rate
All Races	208	9.4	38,900	10.1
White	198	9.4	25,910	8.6
Black	10	10.9	11,760	17.9

Neonatal Deaths

The number of neonatal deaths increased by 10, from 128 in 1988 to 138 in 1989; the neonatal death rate increased from 5.9 deaths among infants under 28 days per 1,000 live births to 6.3. The United States provisional 1989 rate was 6.3. Neonatal deaths comprised 66% of all West Virginia resident infant deaths in 1989, compared to 65% in 1988. The number of postneonatal deaths increased from 69 in 1988 to 70 in 1989. The postneonatal mortality rate was unchanged at 3.2 postneonatal deaths per 1,000 live births.

Fetal Deaths

The 202 resident fetal deaths of 20 or more weeks gestation reported in 1989 was the highest number reported since 1985. The fetal death rate increased from 6.9 fetal deaths per 1,000 live births in 1988 to 9.2 in 1989. The majority (85%) of fetal deaths were due to conditions originating in the perinatal period, including complications of placenta, cord and membrane (31%), maternal conditions (4%), maternal complications (14%), short gestation and low birthweight (3%), and other and ill-defined perinatal conditions (26%). Congenital anomalies accounted for 9% of all fetal deaths.

Prematurity was the greatest risk factor associated with fetal deaths. Of the 162 fetal deaths in 1989 with known birthweight and gestational age, 133 or 82% weighed less than 2,500 grams; 116 or 72% were preterm deliveries before 37 weeks of gestation.

Marriages

Following a slight upturn in 1988, marriages decreased from 13,768 in 1988 to 13,279 in 1989. The marriage rate in 1989 was 7.1 per 1,000 population, compared to 7.3 in 1988. The state's 1989 marriage rate was 27% lower than the U.S. rate of 9.7, which remained unchanged from 1988. Over the past decade, the number of marriages in West Virginia has decreased 25%, from 17,738 in 1979 to 13,279 in 1989.

The median age for all marriages in 1989 was 23 for brides and 26 for grooms. For first marriages, the median age increased from 20 to 21 for brides but was unchanged at 23 for grooms. The mode, or most frequently reported age, for all marriages and also for first-time marriages was 18 for brides; the most frequently reported age for grooms was 21.

Divorces and Annulments

Following a slight increase in 1988, divorces continued a decline that started in 1982; the number of divorces decreased 2%, from 9,352 in 1988 to 9,154 in 1989. The rate of 4.9 per 1,000 population dropped slightly from 5.0 in 1989. The U.S. rate of 4.7 per 1,000 population was 2% lower than the 1986-88 rates of 4.8. The 1989 U.S. divorce rate was the lowest since 1974.

Of the 9,154 divorces in West Virginia last year, the median duration of marriage was 6 years. Almost half (46%) of the 1989 divorces involved no children under 18 years of age in the family, while one child was involved in 27% of all divorces and two children were involved in 19%. Nine divorces involved six or more children.

Summary

West Virginia resident births increased by 1% to 22,067 in 1989, reversing a long-term decline that started in 1979. West Virginia resident deaths decreased slightly, from 19,780 in 1988 to 19,525 in 1989. The number of infant deaths increased 6% from 197 in 1988 to 208 in 1989. Fetal deaths of 20 weeks or more gestation also increased, with a 33% jump in the fetal death rate. After posting slight increases in 1988, marriages and divorces continued to decline through 1989.

METHODOLOGY

Place of Residence vs. Place of Occurrence

Data on vital events can be reported in two ways, by county of residence or by county of occurrence. For example, Lincoln County reported 70 deaths as occurring within the confines of the county. However, resident deaths for 1989 totaled 226. With the exception of Table 20, the mortality data presented in this report are based on county of residence, as county resident populations are used to calculate rates.

With the exception of Table 7, birth data are similarly reported by county of residence.

Geographic Classification

The county has been used as the basic unit of tabulation throughout this report. Data have also been supplied for public health management districts and for the total state. In some instances, data have been supplied for individual cities.

Cause of Death Classification

The cause of death is coded from information contained in the medical certification section of the death certificate. This portion of the certificate is completed by the attending physician. In the case of an unattended death, the medical examiner is responsible for investigation and certification. As a general rule, data preceding 1949 cannot be accurately compared with those of later years due to the extensive revision of the coding rules made at that time. It was felt, however, that large causal categories could be compared. See Appendix B, "Grouping of ICDA Codes," for a listing of these selected causes.

International Classification of Diseases (ICDA)

The primary cause of death was coded in accordance with the Ninth Revision of the International Classification of Diseases Adapted for Use in the United States, 1975 (ICDA). The deaths with codes 000 through 799 were coded using the "nature of injury" causes, while those with codes 800 through 999 were coded using the E or "external cause" of death. The E codes are used to indicate a death due to an external rather than an internal cause. Thus a death from a gunshot wound would be coded using an E code; a death due to cancer would not.

In several tables individual causes of death have been grouped into important selected causes of death. The ICDA codes for the different groupings can be found in Appendix B.

Population

The rates given in this publication were calculated using the 1988 provisional population estimates provided by the U.S. Department of Commerce, Bureau of the Census, in Current Population Reports, Series P-26, No. 86-A, August 1989. These estimates were rounded to the nearest thousand, however, in all tables and figures published in this report in order to be consistent with the estimates provided for other noncensus years. The Census Bureau does not publish population estimates for years preceding census years; 1989 estimates were therefore not available.

Forms

The following is a list of the certificates and forms used in obtaining the data used in this publication. A sample copy of each can be found in Appendix A.

Certificate of Live Birth
Physician's/Medical Examiner's Certificate of Death
Certificate of Fetal Death
Application for Marriage License
Monthly Report of Divorces and Annulments of Marriage Granted

RATES AND RATIOS

The impact of chance variation must be considered in evaluating categories with small frequencies. For example, a small change in the number of infant deaths in a county can disproportionately affect the infant mortality rate for that county. Rates for cities and counties therefore require special consideration. Regional and state rates, with larger frequencies, provide more realistic data.

Rates used in this report are calculated with 1988 provisional population figures reported in Current Population Reports, Series P-26, No. 86-A, August 1989, published by the U.S. Bureau of the Census.

Birth Rate (Crude)

$$= \frac{\text{Number of live births}}{\text{Population}} \times 1{,}000$$

Death Rate (Crude)

$$= \frac{\text{Number of deaths}}{\text{Population}} \times 1{,}000$$

Cause of Death Rate

$$= \frac{\text{Number of deaths from a stated cause}}{\text{Population}} \times 100{,}000$$

Infant Death Rate

$$= \frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1{,}000$$

Neonatal Death Rate

$$= \frac{\text{Number of neonatal deaths}}{\text{Number of live births}} \times 1{,}000$$

Fetal Death Ratio

$$= \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \times 1{,}000$$

Maternal Death Rate

$$= \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 100{,}000$$

DEFINITIONS

LIVE BIRTH - A live birth is the complete expulsion or extraction from its mother of a product of conception, irrespective of the duration of pregnancy, which, after such separation, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

BIRTHWEIGHT - The weight of the fetus or infant at the time of delivery.

CAUSE OF DEATH - The underlying cause of death, or that condition giving rise to the chain of events leading to death.

FETAL DEATH (STILLBIRTH) - Death prior to the complete expulsion or extraction from its mother of a product of conception, having passed through at least the twentieth week of gestation; the fetus shows no signs of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles.

INFANT DEATH - Death occurring to an individual of less than one year of age.

NEONATAL DEATH - The death of a live-born infant that occurs within the first twenty-seven days of life.

MATERNAL DEATH - Death attributable to delivery or a complication of pregnancy, childbirth, or the puerperium as defined by the International Classification of Diseases.

OCCURRENCE DATA - Vital statistics compiled on the basis of where the vital event actually occurred.

RESIDENCE DATA - Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred. For births and fetal deaths, residence is defined as the mother's usual place of residence.

1989 WEST VIRGINIA AND UNITED STATES VITAL STATISTICS REVIEW

	WEST VIRGINIA		UNITED STATES***	
	Number	Rate*	Number	Rate
Live Births	22,067	11.8	4,021,000	16.2
Deaths	19,525	10.4	2,155,000	8.7
Fetal Deaths	202	9.2	N/A	N/A
Neonatal Deaths	138	6.3	24,800	6.2
Infant Deaths	208	9.4	38,900	9.7
Marriages	13,279	7.1	2,404,000	9.7
Divorces & Annulments	9,154	4.9	1,163,000	4.7
Population	1,877,000**		248,200,000	

*All 1989 rates based upon July 1, 1988, midyear population estimates.
**U.S. Department of Commerce, Bureau of the Census. Current Population Reports, Series P-26, No. 86-A, August 1989.
***National Center for Health Statistics. Monthly Vital Statistics Report, Vol. 38, No. 12, DHHS Pub. No. (PHS) 90-1120, April 4, 1990.

AVERAGE DAY STATISTICS

WEST VIRGINIA, 1989

Live Births	60.5
Deaths	53.5
Fetal Deaths	0.6
Infant Deaths	0.6
Heart Disease Deaths	20.0
Cancer Deaths	12.1
Cerebrovascular Deaths	3.3
Pneumonia/Influenza Deaths	1.7
Accidental Deaths	2.6
Motor Vehicle Deaths	1.3
Marriages	36.4
Divorces and Annulments	25.1

POPULATION

WEST VIRGINIA POPULATION, 1925-1988

Exhibit 1

YEAR	POPULATION	CHANGE IN POPULATION	
		Years	Percentage Change
1925	1,593,005		
1930	1,729,205	1925 to 1930	8.5
1935	1,856,354	1930 to 1935	7.4
1940	1,901,974	1935 to 1940	2.5
1945	1,708,000	1940 to 1945	-10.2
1950	2,005,552	1945 to 1950	17.4
1955	1,880,000	1950 to 1955	-6.3
1960	1,860,421	1955 to 1960	-1.0
1965	1,786,000	1960 to 1965	-4.0
1970	1,744,237	1965 to 1970	-2.3
1975	1,803,000	1970 to 1975	3.4
1980	1,949,644	1975 to 1980	8.1
1981	1,954,000	1980 to 1981	0.2
1982	1,957,000	1981 to 1982	0.2
1983	1,965,000	1982 to 1983	0.4
1984	1,952,000	1983 to 1984	-0.7
1985	1,936,000	1984 to 1985	-0.8
1986	1,919,000	1985 to 1986	-0.9
1987	1,898,000	1986 to 1987	-1.1
1988	1,877,000	1987 to 1988	-1.1

WEST VIRGINIA POPULATION 1970 AND 1980
Table 1

COUNTY	1970*	1980**	COUNTY	1970*	1980**
Barbour	14,030	16,639	Monongalia	63,714	75,024
Berkeley	36,356	46,775	Monroe	11,272	12,873
Boone	25,118	30,447	Morgan	8,547	10,711
Braxton	12,666	13,894	Nicholas	22,552	28,126
Brooke	30,443	31,117	Ohio	63,439	61,389
Cabell	106,918	106,835	Pendleton	7,031	7,910
Calhoun	7,046	8,250	Pleasants	7,274	8,236
Clay	9,330	11,265	Pocahontas	8,870	9,919
Doddridge	6,389	7,433	Preston	25,455	30,460
Fayette	49,332	57,863	Putnam	27,625	38,181
Gilmer	7,782	8,334	Raleigh	70,080	86,821
Grant	8,607	10,210	Randolph	24,596	28,734
Greenbrier	32,090	37,665	Ritchie	10,145	11,442
Hampshire	11,710	14,867	Roane	14,111	15,952
Hancock	39,749	40,418	Summers	13,213	15,875
Hardy	8,855	10,030	Taylor	13,878	16,584
Harrison	73,028	77,710	Tucker	7,447	8,675
Jackson	20,903	25,794	Tyler	9,929	11,320
Jefferson	21,280	30,302	Upshur	19,092	23,427
Kanawha	229,515	231,414	Wayne	37,581	46,021
Lewis	17,847	18,811	Webster	9,809	12,245
Lincoln	18,912	23,673	Wetzel	20,314	21,874
Logan	46,269	50,679	Wirt	4,154	4,922
McDowell	50,666	49,899	Wood	86,818	93,648
Marion	61,356	65,789	Wyoming	30,095	35,993
Marshall	37,598	41,608			
Mason	24,306	27,045			
Mercer	63,206	73,943	TOTAL	1,744,237	1,949,644
Mineral	23,109	27,234			
Mingo	32,780	37,336			

*Population April 1, 1970, census as prepared by the U.S. Department of Commerce, Bureau of the Census, Current Population Reports, Series P-26, No. 77-48.

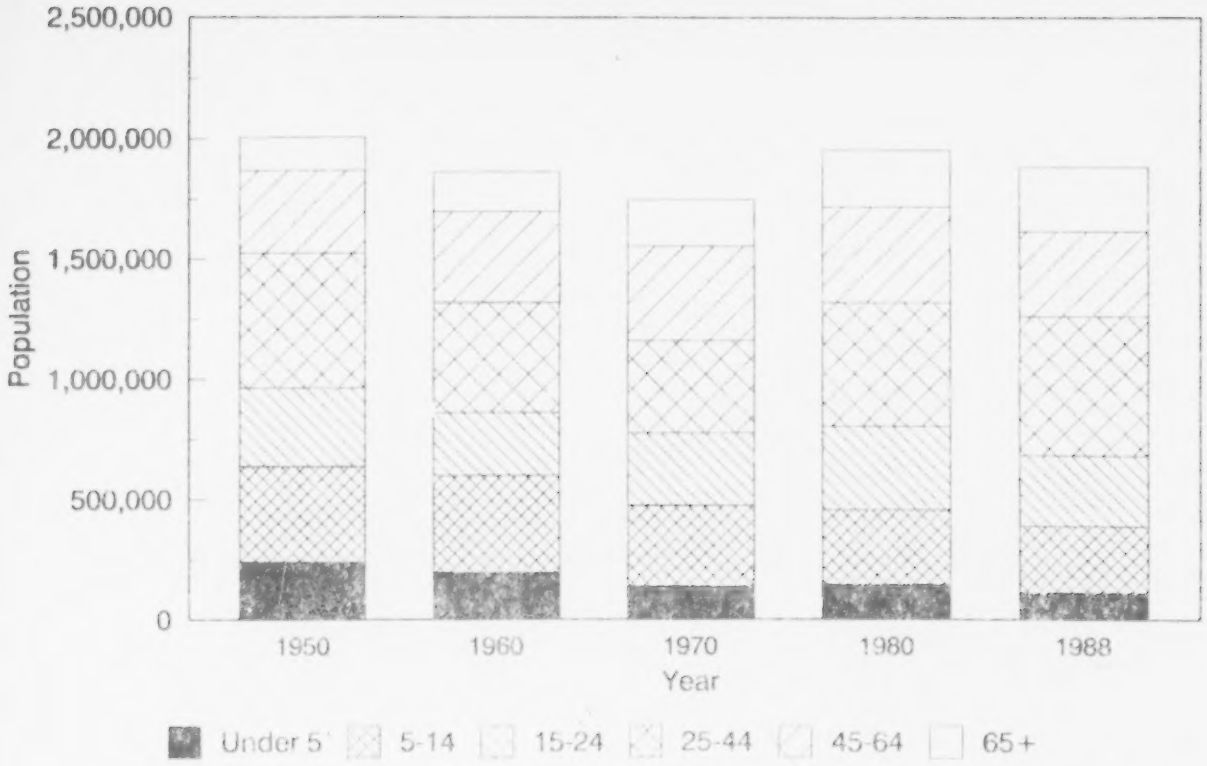
**U.S. Department of Commerce, Bureau of the Census, "West Virginia Final Population and Housing Unit Counts," PHC80-V-50, March 1981.

WEST VIRGINIA POPULATION 1987 AND 1988
Table 2

COUNTY	1987*	1988**	COUNTY	1987*	1988**
Barbour	15,800	15,400	Monongalia	76,300	77,300
Berkeley	53,700	55,200	Monroe	12,700	12,600
Boone	29,400	28,200	Morgan	11,600	12,100
Braxton	14,600	14,300	Nicholas	27,900	27,300
Brooke	28,700	28,300	Ohio	57,100	56,800
Cabell	101,800	100,700	Pendleton	7,900	8,000
Calhoun	8,500	8,300	Pleasants	7,700	7,700
Clay	11,300	11,200	Pocahontas	9,200	9,200
Doddridge	7,300	7,100	Preston	30,500	30,100
Fayette	53,400	51,900	Putnam	41,300	41,800
Gilmer	7,800	7,800	Raleigh	83,200	80,200
Grant	10,900	10,800	Randolph	28,400	28,300
Greenbrier	35,700	35,100	Ritchie	11,200	10,900
Hampshire	15,900	16,400	Roane	15,400	15,300
Hancock	37,600	37,200	Summers	15,600	15,300
Hardy	10,500	10,700	Taylor	15,900	15,700
Harrison	74,800	74,200	Tucker	8,200	8,100
Jackson	25,700	25,500	Tyler	10,800	10,500
Jefferson	34,400	35,500	Upshur	23,700	23,100
Kanawha	219,900	219,000	Wayne	44,400	43,800
Lewis	18,200	17,600	Webster	11,500	11,300
Lincoln	23,700	23,100	Wetzel	21,000	20,600
Logan	49,100	47,600	Wirt	5,200	5,100
McDowell	43,300	40,500	Wood	91,900	90,900
Marion	63,300	62,200	Wyoming	33,600	32,600
Marshall	39,100	38,900			
Mason	26,100	26,100			
Mercer	71,700	70,400			
Mineral	27,200	27,200			
Mingo	36,300	35,700	TOTAL	1,898,000***	1,877,000***

*U.S. Department of Commerce, Bureau of the Census. Current Population Reports, Series P-26, 86-A, August 1988.
**U.S. Department of Commerce, Bureau of the Census. Current Population Reports, Series P-26, No. 86-A, August 1989.
***Due to rounding techniques, county populations do not add to total.

AGE GROUP DISTRIBUTION
West Virginia Population, 1950-1988
Exhibit 2



AGE IN YEARS	1950*	1960*	1970*	1980*	1988**
Under 5 Years	240,107	196,291	138,249	145,583	113,000
5-14 Years	396,369	402,206	335,509	310,291	274,000
15-24 Years	325,990	262,193	301,039	346,892	293,000
25-44 Years	560,833	455,593	383,227	513,022	577,000
45-64	343,727	377,888	391,739	395,988	352,000
65+ Years	138,526	166,250	194,474	237 868	268,000
TOTAL	2,005,552	1,860,421	1,744,237	1,949,644	1,876,000

*Enumerated as of April 1 of the specified year (U.S. Department of Commerce, Bureau of the Census).

**U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1044, "State Population and Household Estimates, With Age, Sex, and Components of Change: 1981-88."

WEST VIRGINIA POPULATION CHARACTERISTICS
United States Census, 1980
Distribution by Sex, Age, and Race
Table 3

CHARACTERISTIC	NUMBER	PERCENT
Sex		
Male	945,408	48.5
Female	1,004,236	51.5
Age		
<5 Yrs.	145,583	7.5
5-17 Yrs.	414,053	21.2
18-44 Yrs.	756,152	38.8
45-64 Yrs.	395,988	20.3
≥65 Yrs.	237,868	12.2
Race		
White	1,874,751	96.2
Black	65,051	3.3
Asian/Pacific Is.	5,194	0.3
Amer. Indian, Eskimo, and Aleut	1,610	0.1
Other	3,038	0.2
Hispanic Origin*	12,707	0.7

*May be of any race.

AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1985
Table 4

COUNTY OF RESIDENCE	UNDER 5 YEARS	5-9 YEARS	10-19 YEARS	20-44 YEARS	45-64 YEARS	65 & OVER	TOTAL
WV TOTAL	127,686	140,246	303,709	719,712	380,351	261,355	1,933,049
BARBOUR	1,136	1,260	2,770	5,873	3,071	2,507	16,617
BERKELEY	3,278	3,676	8,091	18,964	10,116	6,299	50,424
BOONE	1,385	2,582	5,424	11,378	5,554	3,137	30,071
BRAXTON	706	1,141	2,363	5,272	2,930	2,436	14,848
BROOKE	1,764	2,024	4,602	11,313	6,282	3,840	29,824
CABELL	7,271	6,847	14,992	40,312	21,680	15,131	106,233
CALHOUN	591	595	1,304	2,771	1,620	1,305	8,186
CLAY	751	1,039	2,290	4,075	1,952	1,303	11,389
DODDRIDGE	661	575	1,316	2,673	1,583	1,276	7,685
FAYETTE	3,745	4,325	9,462	19,868	10,819	8,141	56,359
GILMER	625	525	1,359	3,202	1,676	1,341	8,509
GRANT	542	775	1,717	3,457	1,981	1,277	9,749
GREENBRIER	2,427	2,775	5,989	14,102	7,549	5,925	38,768
HAMPSHIRE	863	1,146	2,881	5,709	3,358	2,149	16,087
HANCOCK	2,367	2,750	5,866	14,406	8,842	5,481	39,512
HARDY	619	649	1,509	3,516	2,071	1,523	9,885
HARRISON	4,642	5,138	11,062	27,085	15,750	12,420	76,094
JACKSON	1,864	1,883	4,176	9,707	5,708	3,016	26,354
JEFFERSON	2,431	2,219	5,791	12,463	6,217	3,676	32,798
KANAWHA	16,384	15,501	30,521	66,282	47,719	31,032	227,440
LEWIS	1,044	1,341	2,878	6,546	3,775	3,311	18,895
LINCOLN	1,477	1,431	3,862	7,234	4,320	2,689	21,012
LOGAN	3,358	4,762	8,697	18,802	9,336	5,234	50,189
MCDONELL	2,933	4,269	8,877	16,422	8,268	5,545	46,316
MARION	3,755	4,153	9,953	24,080	12,898	10,177	65,016

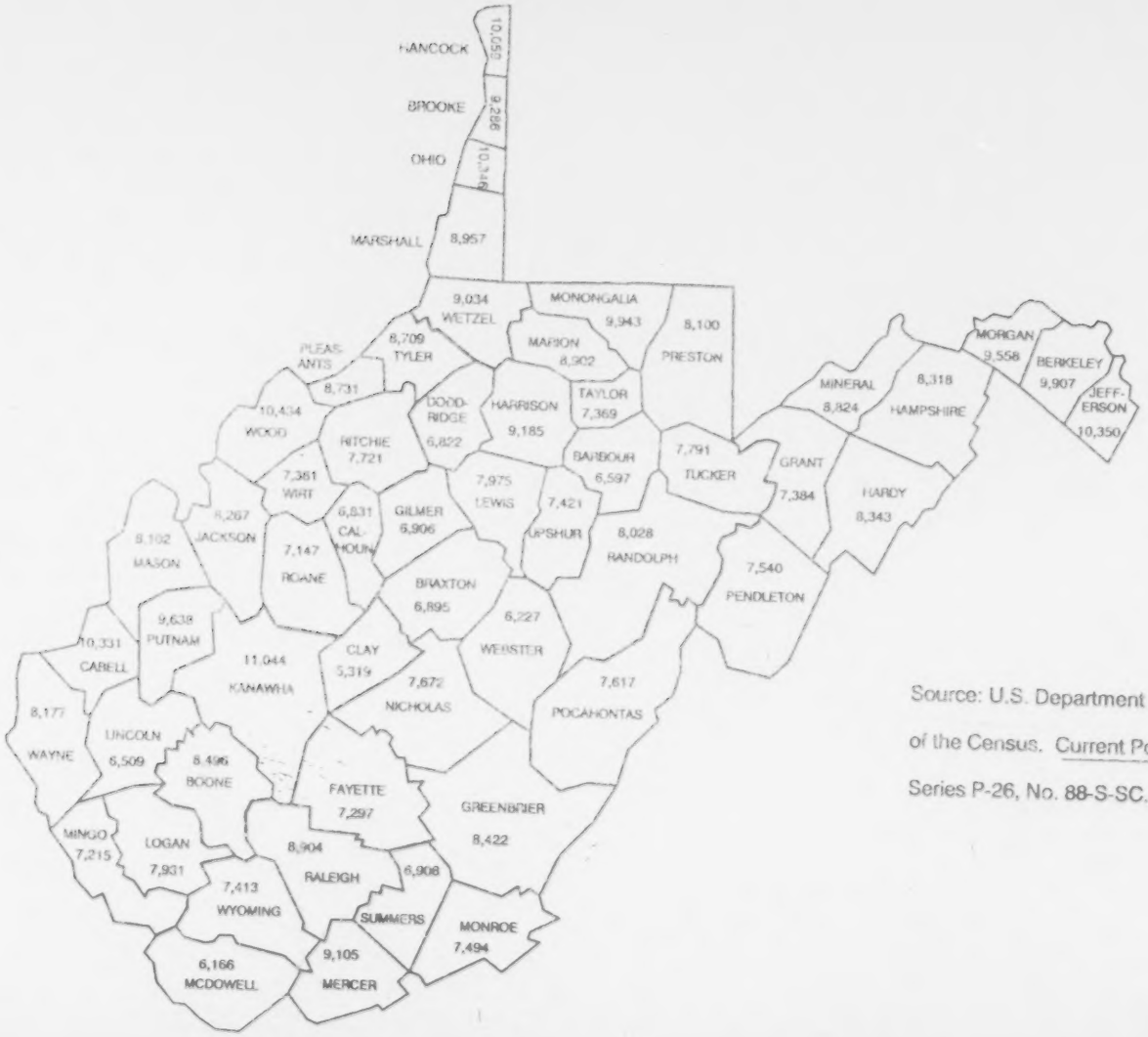
AGE GROUP DISTRIBUTION BY COUNTY
WEST VIRGINIA POPULATION, 1985
Table 4 (cont'd)

COUNTY OF RESIDENCE	UNDER 5 YEARS	5-9 YEARS	10-19 YEARS	20-44 YEARS	45-64 YEARS	65 & OVER	TOTAL
MARSHALL	2,442	2,820	6,050	14,994	8,215	5,480	40,001
MASON	1,824	1,894	4,123	9,141	5,481	3,400	25,861
MERCER	4,932	4,825	11,008	25,344	14,212	10,681	71,001
MINERAL	1,608	1,945	4,759	10,260	5,540	3,681	27,791
MINGO	2,774	3,476	7,055	14,152	6,332	3,184	36,972
MONONGALIA	5,996	4,246	11,608	36,536	11,890	7,769	78,048
MONROE	711	888	1,958	3,892	2,578	2,094	12,120
MORGAN	422	692	1,497	3,457	2,433	1,669	10,169
NICHOLAS	1,699	2,464	4,898	10,353	5,454	3,502	28,373
OHIO	3,399	3,268	8,473	21,499	12,469	10,039	59,149
PENDLETON	550	572	1,093	2,830	1,463	1,373	7,883
PLEASANTS	489	626	1,364	3,037	1,551	998	8,067
POCAHONTAS	618	576	1,486	3,112	2,005	1,842	9,637
PRESTON	2,102	2,542	5,044	11,001	5,608	4,098	30,392
PUTNAM	2,834	3,294	6,687	16,839	7,891	3,948	41,492
RALEIGH	5,909	7,061	13,473	31,033	16,207	11,815	85,497
RANDOLPH	1,844	1,957	4,208	11,022	5,190	4,298	28,519
RITCHIE	655	818	1,668	3,984	2,128	2,053	11,304
ROANE	1,140	1,152	2,189	5,454	3,290	2,298	15,524
SUMMERS	1,528	1,079	1,744	5,120	2,850	2,135	14,455
TAYLOR	1,109	1,188	2,826	5,717	3,260	2,330	16,431
TUCKER	478	549	1,433	3,111	1,545	1,582	8,698
TYLER	590	847	2,003	3,870	2,317	1,546	11,172
UPSHUR	1,853	1,837	4,138	9,898	4,038	3,232	24,995
WAYNE	2,748	3,521	7,611	16,137	9,323	5,421	44,761
WEBSTER	849	959	2,222	4,171	2,122	1,520	11,840
WETZEL	1,154	1,595	3,788	7,962	4,414	2,986	21,897
WIRT	339	348	798	1,461	935	677	4,557
WOOD	5,919	6,454	14,259	34,920	18,766	12,542	92,858
WYOMING	2,384	3,374	6,514	13,893	6,169	2,991	35,325

PER CAPITA INCOME BY COUNTY

West Virginia, 1987

Exhibit 3



Source: U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Series P-26, No. 88-S-SC. 1990.

BIRTHS, DEATHS, NATURAL INCREASE, AND NET MIGRATION
WEST VIRGINIA POPULATION, 1940-1989
Table 5

WEST VIRGINIA POPULATION 1940–1989						
YEAR	POPULATION	# OF BIRTHS	# OF DEATHS	NATURAL INCREASE	NET MIGRATION	% CHANGE
1940	1,901,974 A	41,900	17,577	24,323	(9,349)	-0.50%
1941	1,885,000	43,490	17,783	25,707	(42,681)	-2.24%
1942	1,831,000	43,596	16,958	26,638	(80,638)	-4.28%
1943	1,741,000	43,911	17,363	26,548	(116,548)	-6.37%
1944	1,706,000	40,917	16,654	24,263	(59,263)	-3.40%
1945	1,708,000	38,446	16,464	21,982	(19,982)	-1.17%
1946	1,826,000	48,122	16,084	32,038	85,962	5.03%
1947	1,883,000	54,170	17,188	36,982	20,018	1.10%
1948	1,899,000	52,195	17,626	34,569	(18,569)	-0.99%
1949	1,930,000	52,370	17,211	35,159	(4,159)	-0.22%
1950	2,005,552 A	50,850	17,459	33,391	42,161	2.18%
1951	1,984,000	50,920	17,058	33,862	(55,412)	-2.76%
1952	1,957,000	49,461	17,174	32,287	(59,287)	-2.99%
1953	1,929,000	46,652	16,685	29,967	(57,967)	-2.96%
1954	1,905,000	46,599	16,150	30,449	(54,449)	-2.82%
1955	1,880,000	44,199	16,712	27,487	(52,487)	-2.76%
1956	1,857,000	44,220	16,920	27,300	(50,300)	-2.68%
1957	1,843,000	44,362	17,808	26,554	(40,554)	-2.18%
1958	1,845,000	44,428	17,665	26,763	(24,763)	-1.34%
1959	1,855,000	42,235	17,677	24,558	(14,558)	-0.79%
1960 B	1,860,421 A	39,696	18,040	21,656	(16,235)	-0.88%
1961	1,828,000	38,866	17,980	20,886	(53,307)	-2.87%
1962	1,809,000	37,269	18,651	18,618	(37,618)	-2.06%
1963	1,796,000	35,573	19,405	16,168	(29,168)	-1.61%
1964	1,797,000	35,653	18,750	16,903	(15,903)	-0.89%
1965	1,786,000	31,958	19,121	12,837	(23,837)	-1.33%
1966	1,775,000	30,084	19,339	10,745	(21,745)	-1.22%
1967	1,769,000	29,301	19,257	10,044	(16,044)	-0.90%
1968	1,763,000	29,126	19,647	9,479	(15,479)	-0.88%
1969	1,746,000	28,645	19,696	8,949	(25,949)	-1.47%
1970	1,744,237 A	30,194	19,924	10,270	(12,033)	-0.69%
1971	1,768,000	31,038	19,619	11,419	12,344	0.71%
1972	1,795,000	29,200	20,583	8,617	18,383	1.04%
1973	1,782,000	27,459	20,020	7,439	(20,439)	-1.14%
1974	1,784,000	27,636	19,395	8,241	(6,241)	-0.35%
1975	1,803,000	27,960	19,479	8,481	10,519	0.59%
1976	1,833,000	28,586	19,660	8,926	21,074	1.17%
1977	1,853,000	30,020	19,201	10,819	9,181	0.50%
1978	1,860,000	28,950	19,351	9,599	(2,599)	-0.14%
1979	1,878,000	29,726	18,871	10,855	7,145	0.38%
1980	1,949,544 A	29,438	19,178	10,260	61,384	3.27%
1981	1,954,000	27,810	19,039	8,771	(4,415)	-0.23%
1982	1,957,000	27,263	18,976	8,287	(5,287)	-0.27%
1983	1,965,000	25,875	19,293	6,582	1,418	0.07%
1984	1,952,000	24,551	19,182	5,369	(18,369)	-0.93%
1985	1,936,000	24,108	19,425	4,683	(20,683)	-1.06%
1986	1,919,000	23,179	19,859	3,320	(20,320)	-1.05%
1987	1,898,000	22,424	19,763	2,661	(23,661)	-1.23%
1988 C	1,877,000	21,849	19,780	2,069	(23,069)	-1.22%
1989	N/A	22,067	19,525	2,542	N/A	N/A

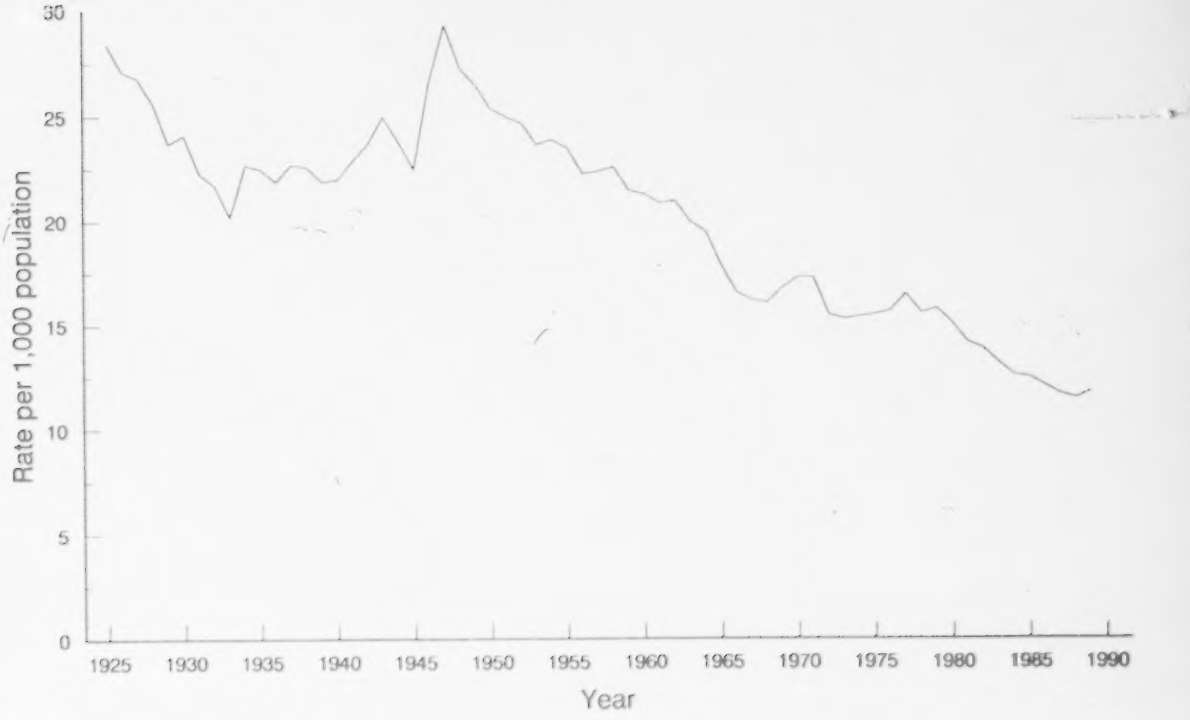
A Enumerated as of April 1 of the specified year. (U.S. Department of Commerce, Bureau of the Census).

B Source of data 1940 through 1960: U.S. Department of Health Education, and Welfare, Public Health Service. Vital Statistics Rates in the United States 1940-1960.

C Source of data 1961 through 1988: U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Series P-25 and P-26.

BIRTHS

NUMBER AND RATE OF RESIDENT BIRTHS
West Virginia, 1925-1989
Exhibit 4



YEAR	NUMBER OF LIVE BIRTHS	RATE PER 1,000 POPULATION
1925	45,240	28.4
1930	41,614	24.1
1935	41,775	22.5
1940	41,900	22.0
1945	38,446	22.5
1950	50,850	25.4
1955	44,199	23.5
1960	39,696	21.3
1965	31,958	17.9
1970	30,194	17.3
1975	27,960	15.5
1980	29,438	15.1
1981	27,810	14.2
1982	27,263	13.9
1983	25,875	13.2
1984	24,551	12.6
1985	24,108	12.5
1986	23,179	12.1
1987	22,424	11.7
1988	21,849	11.5
1989	22,067	11.8

SUMMARY TOTALS
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 6

	NUMBER	PERCENTAGE OF TOTAL
TOTAL	22,067	100.0
SEX		
Male	11,242	50.9
Female	10,825	49.1
RACE		
White	21,027	95.3
Nonwhite	1,040	4.7
ATTENDANT AT BIRTH		
Physician	21,784	98.7
Certified Nurse Midwife	197	0.9
Lay Midwife	26	0.1
EMT/Paramedic	21	0.1
All Other	39	0.2
PLACE OF BIRTH		
Hospital	21,890	99.2
Freestanding Birthing Center	81	0.4
Home	64	0.3
Enroute to Hospital	27	0.1
Other	5	0.0
MOTHER'S MARITAL STATUS		
White:		
Married	16,441	74.5
Not Married	4,586	20.8
Nonwhite:		
Married	456	2.1
Not Married	584	2.6

RATES BY DISTRICT AND COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1989
Exhibit 5

DISTRICT*	1988** POPULATION	NUMBER OF LIVE BIRTHS	RATE
1	251,600	2,780	11.0
2	277,000	3,286	11.9
3	300,200	3,586	11.9
4	149,100	1,684	11.3
5	174,400	2,108	12.1
6	181,800	1,887	10.4
7	366,900	4,142	11.3
8	175,900	2,594	14.7
TOTAL	1,877,000***	22,067	11.8

*Public Health Management Districts, also called Regional Education Service Agencies (RESA).

**Latest population estimates available at time of rate calculations.

***Due to rounding techniques, district populations do not add to total.

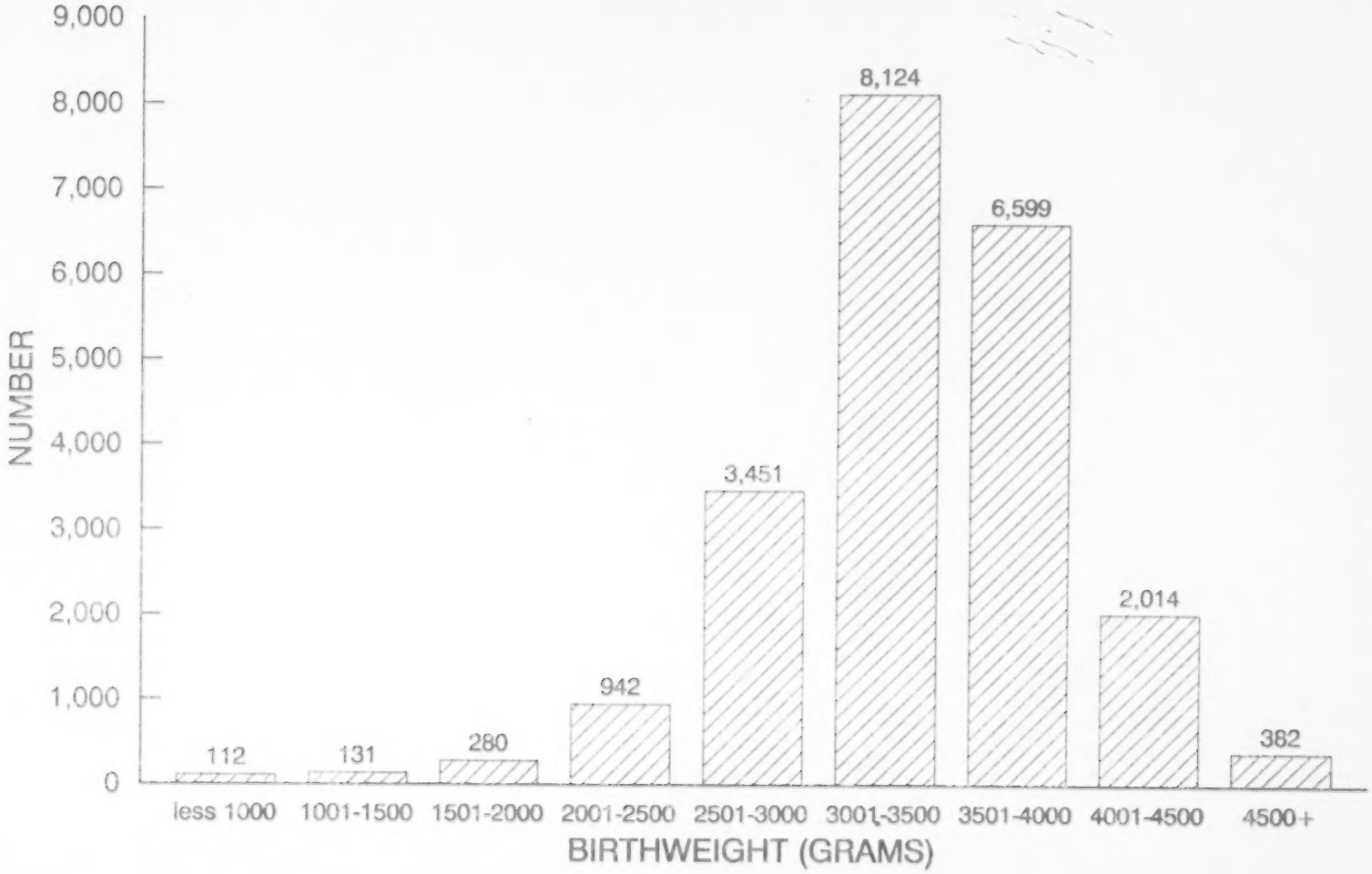
NUMBER OF BIRTHS BY COUNTY OF RESIDENCE AND OCCURRENCE
BIRTH RATE BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1989
Table 7

COUNTY	RESIDENCE		OCCURRENCE	COUNTY	RESIDENCE		OCCURRENCE
	NUMBER	RATE			NUMBER	RATE	
BARBOUR	216	14.0	188	MONONGALIA	840	10.9	1,603
BERKELEY	915	16.6	923	MONROE	147	11.7	4
BOONE	263	9.3	3	MORGAN	146	12.1	2
BRAXTON	159	11.1	3	NICHOLAS	322	11.8	295
BROOKE	244	8.6	323	OHIO	604	10.6	2,002
CABELL	1,167	11.6	2,898	PENDLETON	102	12.8	0
CALHOUN	88	10.6	34	PLEASANTS	76	9.9	0
CLAY	134	12.0	1	POCAHONTAS	110	12.0	5
DODDRIDGE	74	10.4	0	PRESTON	350	11.6	163
FAYETTE	543	10.5	2	PUTNAM	558	13.3	66
GILMER	80	10.3	2	RALEIGH	812	10.1	1,563
GRANT	144	13.3	310	RANDOLPH	370	13.1	556
GREENBRIER	406	11.6	485	RITCHIE	109	10.0	3
HAMPSHIRE	247	15.1	3	ROANE	192	12.5	163
HANCOCK	344	9.2	0	SUMMERS	138	9.0	68
HARDY	162	15.1	1	TAYLOR	197	12.5	4
HARRISON	802	10.8	913	TUCKER	86	10.6	1
JACKSON	323	12.7	97	TYLER	130	12.4	0
JEFFERSON	558	15.7	282	UPSHUR	261	11.3	309
KANAWHA	2,631	12.0	4,095	WAYNE	511	11.7	5
LEWIS	201	11.4	228	WEBSTER	144	12.7	0
LINCOLN	281	12.2	1	WETZEL	247	12.0	273
LOGAN	562	11.8	811	WIRT	64	12.5	0
MCDOWELL	530	13.1	307	WOOD	1,126	12.4	1,443
MARION	665	10.7	691	WYOMING	370	11.3	0
MARSHALL	448	11.5	168				
MASON	264	10.1	235	TOTAL	22,067	11.8	23,118
MERCER	783	11.1	1,399				
MINERAL	320	11.8	1				
MINGO	501	14.0	186				

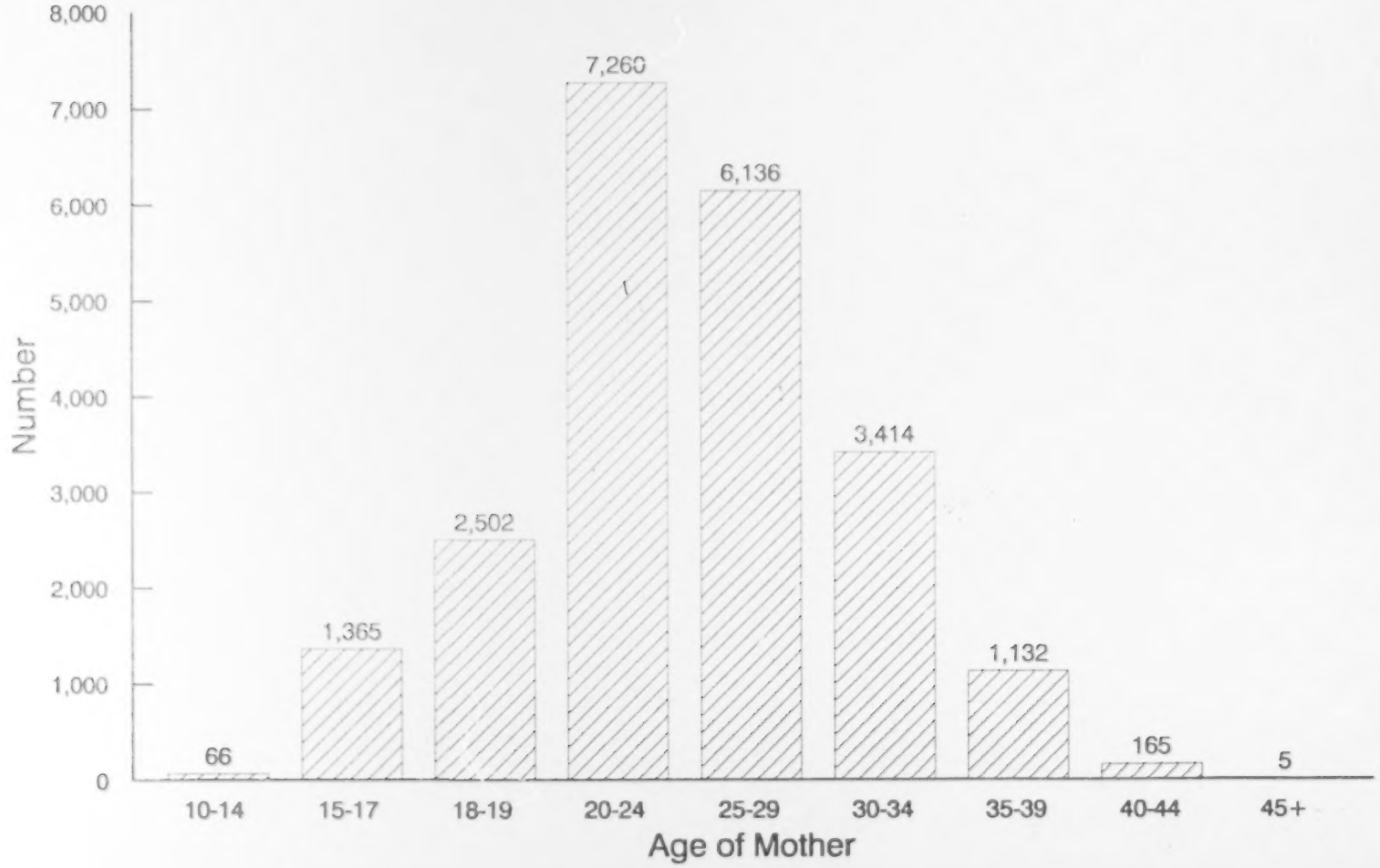
NUMBER OF BIRTHS BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1985-1989
Table 8

COUNTY	1985	1986	1987	1988	1989	COUNTY	1985	1986	1987	1988	1989
BARBOUR	193	215	167	189	216	MONONGALIA	934	887	916	862	840
BERKELEY	759	785	821	861	915	MONROE	170	155	156	151	147
BOONE	342	375	309	315	263	MORGAN	139	111	122	145	146
BRAXTON	214	180	196	181	159	NICHOLAS	369	381	361	326	322
BROOKE	294	247	268	245	244	OHIO	694	672	659	676	604
CABELL	1,107	1,203	1,124	1,129	1,167	PENDLETON	115	109	113	114	102
CALHOUN	125	129	95	103	88	PLEASANTS	89	78	77	91	76
CLAY	174	189	153	138	134	POCAHONTAS	122	100	117	105	110
DODDRIDGE	81	75	69	51	74	PRESTON	424	392	358	384	350
FAYETTE	689	608	585	536	543	PUTNAM	584	578	542	515	558
GILMER	105	97	98	89	80	RALEIGH	1,063	916	865	853	812
GRANT	127	127	120	121	144	RANDOLPH	399	351	376	343	370
GREENBRIER	399	422	394	400	406	RITCHIE	141	121	113	110	109
HAMPSHIRE	204	192	216	187	247	ROANE	195	190	177	189	192
HANCOCK	418	369	374	330	344	SUMMERS	169	149	143	130	138
HARDY	127	115	111	148	162	TAYLOR	225	193	186	204	197
HARRISON	1,005	991	912	827	802	TUCKER	103	86	74	72	86
JACKSON	317	348	314	318	323	TYLER	126	147	110	102	130
JEFFERSON	485	511	531	530	558	UPSHUR	350	341	289	279	261
KANAWHA	2,801	2,721	2,732	2,557	2,631	WAYNE	525	523	505	497	511
LEWIS	241	233	208	207	201	WEBSTER	171	142	154	126	144
LINCOLN	296	291	298	276	281	WETZEL	271	299	244	257	247
LOGAN	630	576	519	531	562	WIRT	76	82	66	73	64
MCDOWELL	641	620	575	523	530	WOOD	1,145	1,131	1,137	1,127	1,126
MARION	718	650	696	657	665	WYOMING	399	380	343	340	370
MARSHALL	478	472	423	468	448						
MASON	347	284	307	314	264	TOTAL	24,108	23,179	22,424	21,849	22,067
MERCER	864	793	778	756	783						
MINERAL	356	302	337	324	320						
MINGO	573	545	491	467	501						

BIRTHWEIGHT IN GRAMS
West Virginia Resident Births, 1989
Exhibit 6



AGE OF MOTHER
West Virginia Resident Births, 1989
Exhibit 7



BIRTHWEIGHT BY AGE OF MOTHER
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 9

BIRTHWEIGHT	AGE OF MOTHER										
	10-14 YEARS	15-17 YEARS	18-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45 AND OVER	UNKNOWN	TOTAL
LESS THAN 1000 GRAMS (LESS THAN 2.205 LBS)	0	10	10	36	29	19	6	0	0	2	112
1,000 - 1,499 GRAMS (2.205 - 3.305 LBS.)	0	7	21	40	40	18	3	2	0	0	131
1,500 - 1,999 GRAMS (3.307 - 4.407 LBS.)	2	16	32	99	76	37	13	3	2	0	280
2,000 - 2,499 GRAMS (4.409 - 5.509 LBS.)	4	80	117	318	246	116	48	12	0	1	942
2,500 - 2,999 GRAMS (5.512 - 6.612 LBS.)	16	279	458	1,164	893	470	144	22	2	3	3,451
3,000 - 3,499 GRAMS (6.614 - 7.714 LBS.)	20	519	973	2,775	2,228	1,168	376	53	1	11	8,124
3,500 - 3,999 GRAMS (7.716 - 8.816 LBS.)	15	364	682	2,138	1,897	1,097	363	39	0	4	6,599
4,000 - 4,499 GRAMS (8.819 - 9.919 LBS.)	9	80	177	583	603	397	138	27	0	0	2,014
4,500 OR MORE GRAMS (9.921 OR MORE LBS.)	0	10	29	102	113	85	36	6	0	1	382
UNKNOWN	0	0	3	5	11	7	5	1	0	0	32
TOTAL	66	1,365	2,502	7,260	6,136	3,414	1,132	165	5	22	22,067

BIRTHWEIGHT BY GESTATIONAL AGE
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 10

WEEKS OF GESTATION	BIRTHWEIGHT				
	TOTAL	LESS THAN 1500 GRAMS	1500-2499 GRAMS	2500 GRAMS OR MORE	UNKNOWN
TOTAL	22,067	243	1,222	20,571	31
< 37	1,529	231	649	648	1
37+	19,616	3	527	19,081	5
UNKNOWN	922	9	46	842	25

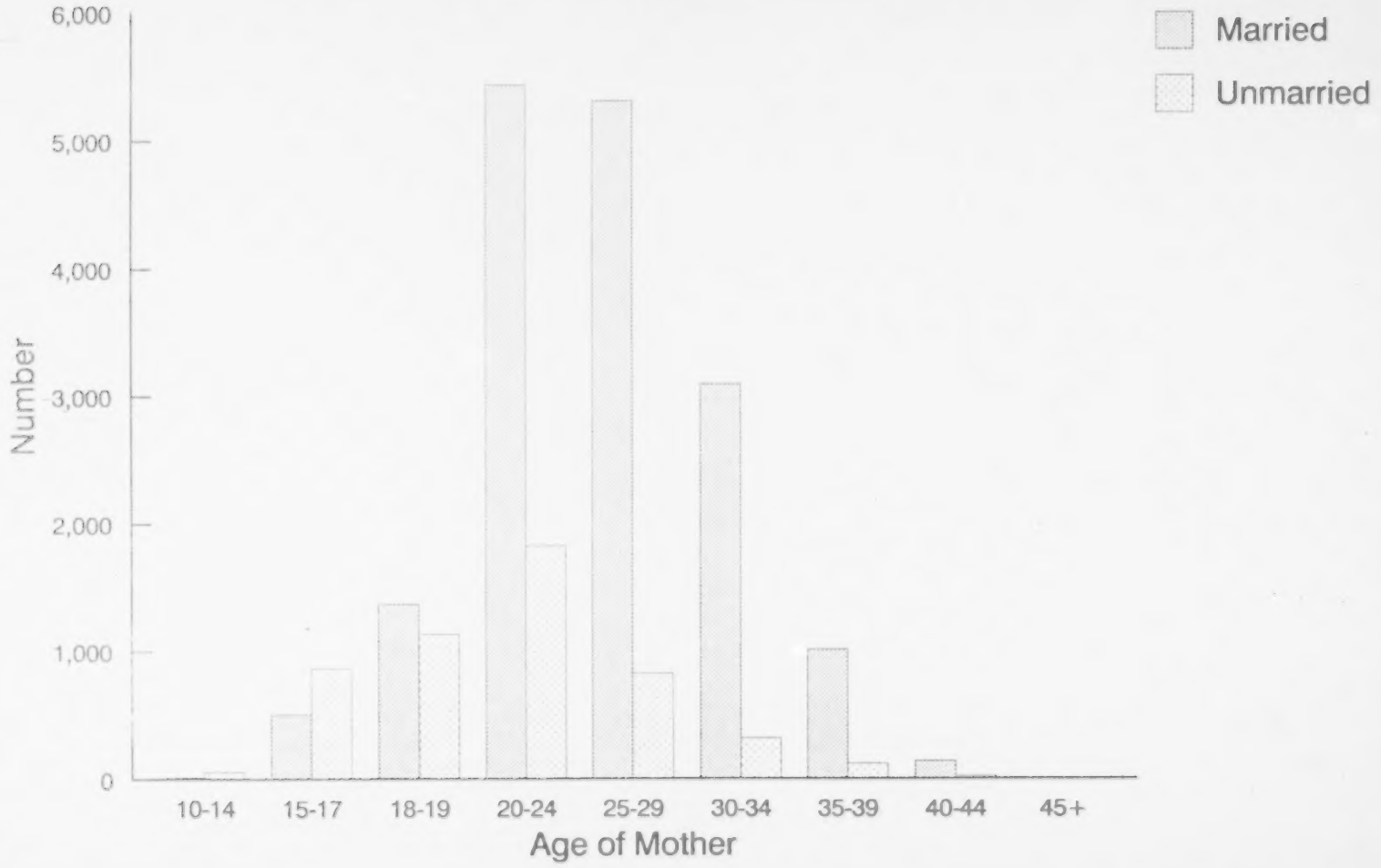
AGE OF MOTHER BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 11

AREA	AGE OF MOTHER										
	10-14 YEARS	15-17 YEARS	18-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45 YEARS AND OVER	UNKNOWN	TOTAL
BARBOUR	0	22	23	78	50	26	17	0	0	0	216
BERKELEY	4	59	102	331	253	119	41	1	0	5	915
BOONE	0	13	32	103	70	35	8	2	0	0	263
BRAXTON	2	11	22	57	37	22	7	1	0	0	159
BROOKE	1	21	26	55	75	50	12	4	0	0	244
CABELL	5	70	124	425	314	165	55	9	0	0	1,167
CALHOUN	0	5	13	28	24	13	4	1	0	0	88
CLAY	0	21	22	45	30	7	8	1	0	0	134
DODDRIDGE	0	6	8	35	16	7	2	0	0	0	74
FAYETTE	1	44	72	187	149	58	26	6	0	0	543
GILMER	0	4	8	32	21	12	3	0	0	0	80
GRANT	1	6	20	55	44	14	4	0	0	0	144
GREENBRIER	1	29	47	116	99	81	27	5	0	1	406
HAMPSHIRE	0	15	23	91	72	33	10	1	0	2	247
HANCOCK	0	19	27	90	111	75	18	3	1	0	344
HARDY	0	8	16	59	45	23	6	4	0	1	162
HARRISON	1	50	77	247	228	143	48	8	0	0	802
JACKSON	2	11	31	107	98	54	17	3	0	0	323
JEFFERSON	2	33	51	184	157	87	35	5	2	2	558
KANAWHA	7	128	259	735	836	486	162	18	0	0	2,631
LEWIS	0	8	28	76	64	17	6	2	0	0	201
LINCOLN	2	24	32	112	69	29	13	0	0	0	281
LOGAN	3	55	87	206	120	62	26	3	0	0	562
MCDOWELL	2	53	71	196	113	61	23	4	0	2	530
MARION	1	45	74	229	176	104	29	7	0	0	665
MARSHALL	0	14	52	127	143	76	33	3	0	0	448
MASON	0	14	23	93	75	43	14	2	0	0	264
MERCER	2	52	126	274	191	101	31	5	1	0	783
MINERAL	1	21	35	100	97	47	17	1	0	1	320
MINGO	0	52	84	194	97	53	16	4	0	1	501
MONONGALIA	2	31	57	229	259	185	67	10	0	0	840
MONROE	0	5	14	64	36	16	8	2	0	2	147
MORGAN	0	7	22	55	40	16	5	1	0	0	146
NICHOLAS	2	26	36	114	74	48	18	4	0	0	322
OHIO	4	31	52	148	186	138	45	0	0	0	604
PENDLETON	1	1	9	33	33	14	5	2	0	4	102
PLEASANTS	0	4	7	25	21	11	8	0	0	0	76
POCAHONTAS	1	5	10	34	36	18	5	1	0	0	110
PRESTON	1	10	38	141	95	46	15	4	0	0	350
PUTNAM	0	17	51	143	183	125	31	8	0	0	558
RALEIGH	1	62	105	279	217	105	38	5	0	0	812
RANDOLPH	2	27	46	109	92	62	26	6	0	0	370
RITCHIE	0	6	13	44	29	16	1	0	0	0	109
ROANE	3	17	31	58	45	27	11	3	0	0	192
SUMMERS	2	13	17	39	39	24	4	0	0	0	138
TAYLOR	0	13	28	77	45	24	10	0	0	0	197
TUCKER	0	5	14	31	24	10	1	1	0	0	86
TYLER	0	4	12	38	46	19	9	2	0	0	130
UPSHUR	1	19	23	84	76	44	12	1	1	0	261
WAYNE	3	30	72	172	148	68	18	0	0	0	511
WEBSTER	0	14	24	64	23	11	6	2	0	0	144
WETZEL	0	16	32	79	69	38	10	2	0	1	247
WIRT	0	0	5	24	25	9	1	0	0	0	64
WOOD	3	55	124	383	321	182	52	6	0	0	1,126
WYOMING	5	34	45	126	95	55	8	2	0	0	370
TOTAL	66	1,365	2,502	7,260	6,136	3,414	1,132	165	5	22	22,067

MARITAL STATUS BY AGE OF MOTHER
WEST VIRGINIA RESIDENT BIRTHS, 1985-1989
Table 12

AGE OF MOTHER	1985		1986		1987		1988		1989	
	MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED	MARRIED	UNMARRIED
TOTAL	19,949	4,159	18,714	4,465	17,755	4,669	16,972	4,877	16,897	5,170
10-14	6	56	4	38	3	45	10	53	9	57
15-17	655	764	610	785	521	856	502	824	501	864
18-19	1,708	916	1,555	978	1,400	994	1,324	976	1,370	1,132
20-24	6,892	1,507	6,273	1,630	5,761	1,663	5,467	1,837	5,434	1,826
25-29	6,329	572	5,958	657	5,726	705	5,438	763	5,312	824
30-34	3,525	239	3,259	273	3,235	264	3,214	303	3,094	320
35-39	897	86	931	85	967	114	885	100	1,012	120
40-44	150	19	120	19	136	26	127	18	144	21
45+	6	2	1	0	5	1	2	1	2	3
UNKNOWN	1	3	3	0	1	1	3	2	19	3

MARITAL STATUS BY AGE OF MOTHER
West Virginia Resident Births, 1989
Exhibit 8



BIRTHS BY MONTH BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 13

COUNTY OF RESIDENCE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BARBOUR	15	20	16	16	14	35	19	25	16	17	16	14	216
BERKELEY	67	62	79	75	70	77	66	106	81	98	82	51	915
BOONE	26	16	23	19	19	26	18	24	22	22	21	27	263
BRAXTON	11	10	15	12	20	12	11	12	12	16	19	11	159
BROOKE	23	20	20	15	23	17	19	27	29	22	20	20	244
CABELL	113	84	89	108	82	108	112	105	87	94	92	96	1,167
CALHOUN	7	4	7	5	8	7	10	7	12	7	9	9	86
CLAY	9	16	16	8	8	10	11	17	11	11	11	9	134
DODDRIDGE	5	4	6	7	7	6	7	6	10	9	7	2	74
FAYETTE	46	54	42	57	34	49	63	59	44	55	46	49	543
GILMER	6	4	11	6	5	10	7	7	8	4	7	5	80
GRANT	12	13	14	14	8	11	17	15	15	9	9	9	144
GREENBRIER	24	35	34	42	28	39	40	30	34	33	28	39	406
HAMPSHIRE	24	12	27	28	17	22	15	24	22	28	11	12	247
HANCOCK	30	15	29	25	28	38	23	35	35	22	25	21	344
HARDY	19	11	14	10	12	16	17	17	11	15	9	14	162
HARRISON	61	65	77	65	74	79	54	71	76	57	52	69	802
JACKSON	26	20	23	29	17	23	34	30	29	31	33	21	323
JEFFERSON	42	54	45	48	40	46	57	46	48	56	36	42	558
KANAWHA	194	199	210	231	216	246	221	232	222	269	192	219	2,631
LEWIS	22	17	22	19	15	12	19	16	15	15	16	17	201
LINCOLN	24	16	25	16	18	21	19	27	22	25	31	23	281
LOGAN	47	47	45	42	45	49	55	57	42	47	43	43	562
MCDOWELL	41	41	48	45	44	39	51	57	47	38	39	49	539
MARION	63	61	61	51	52	68	56	63	60	47	42	51	665
MARSHALL	30	29	39	31	40	36	49	46	47	32	35	34	448
MASON	20	21	27	15	24	25	22	19	21	21	24	27	269
MERCER	65	63	59	50	71	70	66	68	72	75	67	57	783
MINERAL	34	25	24	30	36	38	33	30	28	27	10	5	320
MINGO	53	51	28	32	51	45	53	53	47	55	36	38	501
MONONGALIA	61	72	92	73	64	70	55	77	41	66	80	67	840
MONROE	12	15	14	14	12	12	16	8	10	9	12	13	147
MORGAN	14	11	10	16	9	14	16	11	14	15	10	6	146
NICHOLAS	13	31	29	18	23	25	30	38	37	25	33	23	322
OHIO	36	45	68	50	55	48	39	54	49	46	49	47	604
PENDLETON	7	10	9	6	4	7	14	8	8	9	11	13	102
PLEASANTS	6	5	9	5	5	7	8	14	7	6	8	7	76
POCAHONTAS	7	6	6	9	12	11	11	10	10	5	9	15	110
PRESTON	25	24	29	31	34	24	42	34	31	27	27	30	350
PUTNAM	46	47	46	42	34	45	37	49	53	51	35	43	558
RALEIGH	69	86	78	67	81	77	75	89	59	66	61	69	812
RANDOLPH	41	23	31	31	30	35	34	39	30	31	20	25	370
RITCHIE	7	12	8	2	11	8	8	12	14	4	8	15	109
ROANE	19	18	9	16	16	15	22	21	12	17	11	16	192
SUMMERS	11	12	12	10	12	8	14	13	11	16	10	9	138
TAYLOR	13	16	16	16	11	15	15	27	22	12	14	18	197
TUCKER	5	9	7	6	12	6	9	12	9	7	2	9	86
TYLER	8	9	12	13	8	10	11	8	19	13	10	9	130
UPSHUR	14	25	21	15	16	25	30	26	30	21	22	21	261
WAYNE	43	45	39	57	50	46	47	45	35	44	34	49	511
WEBSTER	16	8	9	10	7	16	13	11	13	14	10	17	144
WETZEL	20	21	29	25	17	16	20	20	15	22	26	16	247
WIRT	9	7	2	5	2	7	4	7	9	5	5	4	64
WOOD	104	74	93	97	86	88	108	99	79	91	101	107	1,126
WYOMING	24	24	30	33	36	34	31	24	31	43	21	31	370
WV TOTAL	1,789	1,690	1,879	1,799	1,754	1,929	1,981	2,080	1,890	1,873	1,696	1,762	22,067

PLACE OF DELIVERY, RACE AND SEX OF CHILD, AND MARITAL STATUS OF MOTHER
BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 14

COUNTY OF RESIDENCE	PLACE OF DELIVERY		WHITE		NONWHITE		NUMBER OF BIRTHS TO UNMARRIED MOTHERS	TOTAL
	HOSPITAL*	NONHOSPITAL	MALE	FEMALE	MALE	FEMALE		
BARBOUR	215	1	109	104	2	1	45	216
BERKELEY	912	3	468	410	16	21	255	915
BOONE	263	0	128	132	2	1	67	263
BRAXTON	159	0	78	81	0	0	35	159
BROOKE	243	1	125	114	2	3	46	244
CABELL	1,167	0	521	566	34	46	277	1,167
CALHOUN	88	0	43	45	0	0	27	88
CLAY	133	1	67	67	0	0	40	134
DODDRIDGE	74	0	46	28	0	0	22	74
FAYETTE	541	2	247	249	23	24	155	543
GILMER	78	2	40	40	0	0	22	80
GRANT	144	0	71	67	4	2	25	144
GREENBRIER	404	2	183	201	13	9	75	406
HAMPSHIRE	244	3	134	113	0	0	37	247
HANCOCK	344	0	176	159	6	3	67	344
HARDY	161	1	75	83	3	1	36	162
HARRISON	800	2	378	400	9	15	192	802
JACKSON	323	0	177	144	1	1	56	323
JEFFERSON	556	2	251	254	29	24	142	558
KANAWHA	2,629	2	1,217	1,161	131	122	703	2,631
LEWIS	199	2	101	100	0	0	52	201
LINCOLN	281	0	129	150	0	2	63	281
LOGAN	562	0	297	236	15	14	184	562
MCDOWELL	529	1	234	232	27	37	175	530
MARION	665	0	309	319	20	17	168	645
MARSHALL	445	3	244	195	5	4	96	448
MASON	264	0	129	131	3	1	40	264
MERCER	781	2	347	360	35	41	177	783
MINERAL	320	0	151	152	6	11	72	320
MINGO	500	1	270	219	5	7	136	501
MONONGALIA	837	3	422	360	30	28	127	840
MONROE	144	3	74	72	1	0	26	147
MORGAN	144	2	80	64	2	0	33	146
NICHOLAS	321	1	164	157	1	0	64	322
OHIO	602	2	282	281	21	20	177	604
PENDLETON	100	2	48	51	2	1	24	102
PLEASANTS	76	0	39	37	0	0	12	76
POCAHONTAS	105	5	54	56	0	0	21	110
PRESTON	350	0	185	164	0	1	50	350
PUTNAM	558	0	276	278	0	4	79	558
RALEIGH	810	2	355	367	48	42	221	812
RANDOLPH	368	2	183	187	0	0	78	370
RITCHIE	107	2	60	49	0	0	24	109
ROANE	191	1	93	99	0	0	38	192
SUMMERS	137	1	62	69	3	4	38	138
TAYLOR	195	2	95	101	0	1	49	197
TUCKER	85	1	43	43	0	0	13	86
TYLER	130	0	64	64	1	1	15	130
UPSHUR	261	0	143	118	0	0	52	261
WAYNE	508	3	258	251	1	1	89	511
WEBSTER	144	0	72	71	1	0	32	144
WETZEL	247	0	130	117	0	0	58	247
WIRT	64	0	30	33	0	1	12	64
WOOD	1,120	6	574	528	7	17	261	1,126
WYOMING	370	0	201	166	1	2	90	370
TOTAL	21,998	69	10,732	10,295	510	530	5,170	22,067

* INCLUDES HOSPITALS, ENROUTE TO HOSPITALS, AND BIRTHING CENTERS

TRIMESTER PRENATAL CARE BEGAN
BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 15

COUNTY OF RESIDENCE	FIRST TRIMESTER		SECOND TRIMESTER		THIRD TRIMESTER		NO CARE		UNKNOWN		TOTAL
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	
BARBOUR	154	71.3	44	20.4	9	4.2	0	0.0	9	4.2	216
BERKELEY	631	69.0	210	23.0	54	5.9	14	1.5	6	0.7	915
BOONE	146	55.5	49	18.6	11	4.2	5	1.9	52	19.8	263
BRAXTON	102	64.2	30	18.9	6	3.8	1	0.6	20	12.6	159
BROOKE	191	78.3	41	16.8	8	3.3	3	1.2	1	0.4	244
CABELL	965	82.7	157	13.5	24	2.1	7	0.6	14	1.2	1,167
CALHOUN	61	69.3	19	21.6	3	3.4	0	0.0	5	5.7	88
CLAY	77	57.5	30	22.4	5	3.7	1	0.7	21	15.7	134
DODDRIDGE	58	78.4	14	18.9	2	2.7	0	0.0	0	0.0	74
FAYETTE	366	67.4	120	22.1	20	3.7	2	0.4	35	6.4	543
GILMER	49	61.3	17	21.3	2	2.5	0	0.0	12	15.0	80
GRANT	117	81.3	17	11.8	2	1.4	1	0.7	7	4.9	144
GREENBRIER	295	72.7	74	18.2	25	6.2	5	1.2	7	1.7	406
HAMPSHIRE	183	74.1	40	16.2	9	3.6	13	5.3	2	0.8	247
HANCOCK	269	78.2	56	16.3	8	2.3	2	0.6	9	2.6	344
HARDY	132	81.5	24	14.8	2	1.2	1	0.6	3	1.9	162
HARRISON	660	82.3	111	13.8	20	2.5	6	0.7	5	0.6	802
JACKSON	209	64.7	67	20.7	13	4.0	4	1.2	30	9.3	323
JEFFERSON	399	71.5	118	21.1	27	4.8	6	1.1	8	1.4	558
KANAWHA	1,570	59.7	402	15.3	70	2.7	26	1.0	563	21.4	2,631
LEWIS	133	66.2	38	18.9	5	2.5	2	1.0	23	11.4	201
LINCOLN	217	77.2	37	13.2	3	1.1	5	1.8	19	6.8	281
LOGAN	230	40.9	273	48.6	6	1.1	7	1.2	46	8.2	562
MCDOWELL	290	54.7	144	27.2	68	12.8	6	1.1	22	4.2	530
MARION	471	70.8	151	22.7	29	4.4	5	0.8	9	1.4	665
MARSHALL	320	71.4	92	20.5	23	5.1	5	1.1	8	1.8	448
MASON	185	70.1	54	20.5	12	4.5	4	1.5	9	3.4	264
MERCER	501	64.0	160	20.4	90	11.5	6	0.8	26	3.3	783
MINERAL	255	79.7	54	16.9	7	2.2	2	0.6	2	0.6	320
MINGO	252	50.3	201	40.1	15	3.0	21	4.2	12	2.4	501
MONONGALIA	674	80.2	105	12.5	33	3.9	7	0.8	21	2.5	840
MONROE	101	68.7	32	21.8	12	8.2	0	0.0	2	1.4	147
MORGAN	107	73.3	32	21.9	5	3.4	1	0.7	1	0.7	146
NICHOLAS	232	72.0	58	18.0	13	4.0	1	0.3	18	5.6	322
OHIO	432	71.5	120	19.9	30	5.0	9	1.5	13	2.2	604
PENDLETON	82	80.4	14	13.7	2	2.0	2	2.0	2	2.0	102
PLEASANTS	50	65.8	14	18.4	4	5.3	4	5.3	4	5.3	76
POCAHONTAS	87	79.1	19	17.3	3	2.7	0	0.0	1	0.9	110
PRESTON	270	77.1	62	17.7	14	4.0	2	0.6	2	0.6	350
PUTNAM	398	71.3	81	14.5	10	1.8	2	0.4	67	12.0	558
RALEIGH	581	71.6	173	21.3	21	2.6	14	1.7	23	2.8	812
RANDOLPH	260	70.3	87	23.5	12	3.2	4	1.1	7	1.9	370
RITCHIE	76	69.7	16	14.7	10	9.2	0	0.0	7	6.4	109
ROANE	117	60.9	46	24.0	11	5.7	2	1.0	16	8.3	192
SUMMERS	95	68.8	32	23.2	7	5.1	1	0.7	3	2.2	138
TAYLOR	138	70.1	43	21.8	9	4.6	2	1.0	5	2.5	197
TUCKER	59	68.6	22	25.6	3	3.5	0	0.0	2	2.3	86
TYLER	90	69.2	27	20.8	8	6.2	2	1.5	3	2.3	130
UPSHUR	178	68.2	60	23.0	11	4.2	4	1.5	8	3.1	261
WAYNE	436	85.3	67	13.1	4	0.8	0	0.0	4	0.8	511
WEBSTER	102	70.8	37	25.7	4	2.8	0	0.0	1	0.7	144
WETZEL	153	61.9	76	30.8	15	6.1	0	0.0	3	1.2	247
WIRT	47	73.4	7	10.9	6	9.4	1	1.6	3	4.7	64
WOOD	825	73.3	185	16.4	42	3.7	13	1.2	61	5.4	1,126
WYOMING	236	63.8	108	29.2	7	1.9	4	1.1	15	4.1	370
TOTAL	15,314	69.4	4,367	19.8	874	4.0	235	1.1	1,277	5.8	22,067

ADEQUACY OF PRENATAL CARE BY COUNTY
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 16

COUNTY OF RESIDENCE	TOTAL	KESSNER INDEX* ADEQUACY OF PRENATAL CARE			
		ADEQUATE	INTERMEDIATE	INADEQUATE	UNDETERMINED
WV TOTAL	22,067	13,186	1,707	5,119	2,055
BARBOUR	216	139	17	49	11
BERKELEY	915	587	34	265	29
BOONE	263	110	33	60	60
BRAXTON	159	82	12	33	32
BROOKE	244	180	10	51	3
CABELL	1,167	928	22	183	34
CALHOUN	88	50	5	22	11
CLAY	134	65	6	33	30
DODDRIDGE	74	56	1	16	1
FAYETTE	543	341	22	141	39
GILMER	80	35	8	16	21
GRANT	144	115	2	20	7
GREENBRIER	406	265	15	102	24
HAMPSHIRE	247	173	8	60	6
HANCOCK	344	255	15	64	10
HARDY	162	126	5	27	4
HARRISON	802	622	39	130	11
JACKSON	323	177	21	79	46
JEFFERSON	558	348	45	142	23
KANAWHA	2,631	1,317	177	475	662
LEWIS	201	112	15	35	39
LINCOLN	281	196	18	43	24
LOGAN	562	143	115	251	53
MCDOWELL	530	178	125	186	41
MARION	665	409	64	171	21
MARSHALL	448	293	21	114	20
MASON	264	162	25	68	9
MERCER	783	266	241	241	35
MINERAL	320	219	31	62	8
MINGO	501	192	93	198	18
MONONGALIA	840	632	26	136	46
MONROE	147	80	20	41	6
MORGAN	146	100	6	38	2
NICHOLAS	322	169	15	61	77
OHIO	604	414	12	155	23
PENDLETON	102	72	11	17	2
PLEASANTS	76	41	4	21	10
POCAHONTAS	110	74	10	22	4
PRESTON	350	247	17	76	10
PUTNAM	558	353	31	91	83
RALEIGH	812	550	30	203	29
RANDOLPH	370	233	27	100	10
RITCHIE	109	59	7	21	22
ROANE	192	106	7	58	21
SUMMERS	138	83	13	37	5
TAYLOR	197	127	11	49	10
TUCKER	86	51	7	25	3
TYLER	130	65	23	35	7
UPSHUR	261	157	22	70	12
WAYNE	511	418	15	68	10
WEBSTER	144	66	9	35	34
WETZEL	247	121	28	90	8
WIRT	64	30	2	14	18
WOOD	1,126	608	56	211	251
WYOMING	370	189	53	108	20

*The Kessner Index measures adequacy of prenatal care by cross-tabulating the timing of entry into care with the number of visits recorded and the gestational length of the pregnancy.

PRENATAL CARE BY CHILD'S RACE AND MOTHER'S MARITAL STATUS AND EDUCATION
WEST VIRGINIA RESIDENT BIRTHS, 1989
Table 17

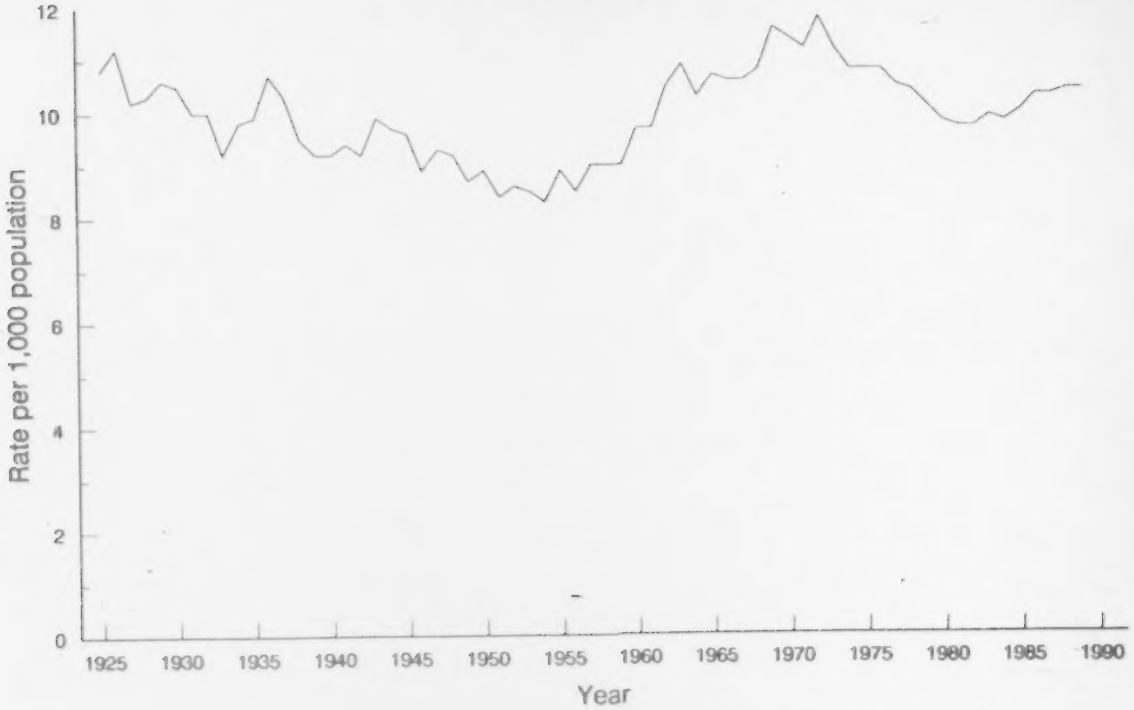
BIRTH CHARACTERISTICS	TIME PRENATAL CARE BEGAN					TOTAL
	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NO CARE	UNKNOWN	
CHILD'S RACE: WHITE						
MOTHER'S MARITAL STATUS:						
MARRIED	12,485	2,599	452	87	818	16,441
NOT MARRIED	2,302	1,490	336	123	335	4,586
TOTAL	14,787	4,089	788	210	1,153	21,027
MOTHER'S EDUCATION LEVEL:						
UNDER 5 YEARS	7	5	0	1	1	14
5-8 YEARS	454	271	69	23	56	873
9-11 YEARS	2,515	1,373	303	76	306	4,573
12 YEARS	6,990	1,827	329	81	525	9,752
13-15 YEARS	2,552	412	52	22	141	3,179
16 YEARS OR MORE	2,225	173	27	3	97	2,525
UNKNOWN	44	28	8	4	27	111
TOTAL	14,787	4,089	788	210	1,153	21,027
CHILD'S RACE: NONWHITE						
MOTHER'S MARITAL STATUS:						
MARRIED	298	82	29	3	44	456
NOT MARRIED	229	196	57	22	80	584
TOTAL	527	278	86	25	124	1,040
MOTHER'S EDUCATION LEVEL:						
UNDER 5 YEARS	1	2	1	0	0	4
5-8 YEARS	11	7	2	0	2	22
9-11 YEARS	83	69	25	6	22	205
12 YEARS	209	128	40	12	63	452
13-15 YEARS	118	56	10	6	19	209
16 YEARS OR MORE	99	14	7	1	17	138
UNKNOWN	6	2	1	0	1	10
TOTAL	527	278	86	25	124	1,040

OUT-OF-STATE OCCURRENCES
WEST VIRGINIA RESIDENT BIRTHS, 1985-1989
Table 18

STATE	1985 BIRTHS	1986 BIRTHS	1987 BIRTHS	1988 BIRTHS	1989 BIRTHS
Virginia	768	708	742	701	765
Maryland	584	498	501	495	441
Ohio	464	486	484	512	480
Kentucky	152	117	145	104	68
Pennsylvania	113	92	127	102	132
All Other States	35	38	46	44	41
Total	2,116	1,939	2,045	1,958	1,927

DEATHS

NUMBER AND RATE OF RESIDENT DEATHS
West Virginia, 1925-1989
Exhibit 9



YEAR OF DEATH	NUMBER OF DEATHS	RATE PER 1,000 POPULATION
1925	17,132	10.8
1930	18,220	10.5
1935	18,342	9.9
1940	17,577	9.2
1945	16,464	9.6
1950	17,459	8.7
1955	16,712	8.9
1960	18,040	9.7
1965	19,121	10.7
1970	19,924	11.4
1975	19,479	10.8
1980	19,178	9.8
1981	19,039	9.7
1982	18,976	9.7
1983	19,293	9.9
1984	19,182	9.8
1985	19,425	10.0
1986	19,859	10.3
1987	19,763	10.3
1988	19,780	10.4
1989	19,525	10.4

WEST VIRGINIA RESIDENT DEATHS BY RACE AND SEX BY COUNTY, 1989
Table 19

COUNTY	WHITE		NONWHITE		TOTAL
	MALE	FEMALE	MALE	FEMALE	
BARBOUR	96	83	3	0	182
BERKELEY	320	241	5	9	575
BOONE	145	118	3	0	266
BRAXTON	104	68	0	2	174
BROOKE	155	138	1	0	294
CABELL	556	544	32	24	1,156
CALHOUN	54	27	0	0	81
CLAY	61	36	0	0	97
DODDRIDGE	39	21	0	0	60
FAYETTE	313	309	21	27	670
GILMER	43	37	1	0	81
GRANT	61	37	0	2	100
GREENBRIER	222	203	9	8	442
HAMPSHIRE	96	66	0	0	162
HANCOCK	215	153	6	6	380
HARDY	58	53	0	2	113
HARRISON	429	438	8	9	884
JACKSON	128	144	0	0	272
JEFFERSON	163	138	20	12	333
KANAWHA	1,087	1,055	84	69	2,295
LEWIS	117	113	0	0	230
LINCOLN	122	104	0	0	226
LOGAN	257	203	9	10	479
MCDOWELL	196	139	51	38	424
MARION	358	337	10	16	721
MARSHALL	185	193	2	1	381
MASON	140	121	0	2	263
MERCER	354	306	39	42	741
MINERAL	152	138	3	8	301
MINGO	166	139	7	8	320
MONONGALIA	274	284	4	7	569
MONROE	76	57	1	3	137
MORGAN	63	55	0	1	119
NICHOLAS	136	121	0	1	258
OHIO	314	346	17	6	683
PENDLETON	34	41	1	0	76
PLEASANTS	41	30	0	0	71
POCAHONTAS	54	68	1	1	124
PRESTON	184	134	0	2	320
PUTNAM	159	161	1	0	321
RALEIGH	384	372	87	50	893
RANDOLPH	168	125	2	0	315
RITCHIE	75	70	0	0	145
ROANE	87	61	0	0	148
SUMMERS	80	77	4	1	162
TAYLOR	83	82	1	0	166
TUCKER	54	32	0	0	86
TYLER	63	52	0	0	115
UPSHUR	103	114	0	3	220
WAYNE	186	186	0	0	372
WEBSTER	64	55	0	0	119
WETZEL	120	98	0	0	218
WIRT	26	23	0	0	49
WOOD	468	444	2	2	916
WYOMING	135	91	2	2	230
TOTAL	9,845	8,900	407	373	19,525

NUMBER OF DEATHS BY COUNTY OF RESIDENCE AND OCCURRENCE
WEST VIRGINIA, 1989
Table 20

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BARBOUR	182	123	MONONGALIA	569	1,147
BERKELEY	575	747	MONROE	137	55
BOONE	266	169	MORGAN	119	95
BRAXTON	174	113	NICHOLAS	258	208
BROOKE	294	376	OHIO	683	1,046
CABELL	1,156	1,759	PENDLETON	76	44
CALHOUN	81	65	PLEASANTS	71	26
CLAY	97	38	POCAHONTAS	124	87
DODDRIDGE	60	18	PRESTON	320	193
FAYETTE	670	494	PUTNAM	321	258
GILMER	81	29	RALEIGH	863	1,196
GRANT	100	97	RANDOLPH	315	364
GREENBRIER	442	396	RITCHIE	145	62
HAMPSHIRE	162	86	ROANE	148	114
HANCOCK	380	85	SUMMERS	162	154
HARDY	113	43	TAYLOR	186	143
HARRISON	884	1,101	TUCKER	86	49
JACKSON	272	241	TYLER	115	72
JEFFERSON	333	248	UPSHUR	220	168
KANAWHA	2,295	2,754	WAYNE	372	284
LEWIS	230	181	WEBSTER	119	86
LINCOLN	226	70	WETZEL	218	194
LOGAN	479	439	WIRT	49	18
MCDOWELL	424	198	WOOD	916	1,142
MARION	721	577	WYOMING	230	41
MARSHALL	381	318			
MASON	263	213			
MERCER	741	1,040	TOTAL	19,525*	19,576
MINERAL	301	146			
MINGO	320	166			

*INCLUDES 1,740 WEST VIRGINIA RESIDENT DEATHS OCCURRING OUT-OF-STATE.

OUT-OF-STATE OCCURRENCES
WEST VIRGINIA RESIDENT DEATHS, 1989
Table 21

STATE	NUMBER OF DEATHS
Virginia	445
Ohio	462
Maryland	289
Pennsylvania	184
Kentucky	154
Florida	45
North Carolina	44
District of Columbia	27
Texas	14
Tennessee	13
Georgia	11
Other States	52
TOTAL	1,740

NUMBER OF DEATHS BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1985-1989
Table 22

COUNTY	1985	1986	1987	1988	1989	COUNTY	1985	1986	1987	1988	1989
BARBOUR	176	161	185	188	182	MONONGALIA	557	613	615	592	569
BERKELEY	523	504	471	540	575	MONROE	132	145	139	152	137
BOONE	266	283	294	273	266	MORGAN	130	126	133	149	119
BRAXTON	159	164	178	189	174	NICHOLAS	249	240	271	234	258
BROOKE	270	321	298	338	294	OHIO	761	706	757	672	683
CABELL	1,159	1,209	1,186	1,182	1,156	PENDLETON	106	70	89	78	76
CALHOUN	97	84	101	84	81	PLEASANTS	91	70	68	68	71
CLAY	94	95	105	111	97	POCAHONTAS	132	137	125	117	124
DODDRIDGE	68	84	81	72	60	PRESTON	301	293	305	305	320
FAYETTE	661	693	629	600	670	PUTNAM	304	267	300	314	321
GILMER	69	62	101	92	81	RALEIGH	864	927	842	868	863
GRANT	104	95	90	99	100	RANDOLPH	271	293	325	311	315
GREENBRIER	415	429	399	492	442	RITCHIE	125	136	126	129	145
HAMPSHIRE	141	151	153	185	162	ROANE	171	166	169	152	148
HANCOCK	367	380	381	369	380	SUMMERS	156	181	197	157	162
HARDY	128	127	107	101	113	TAYLOR	166	180	165	183	186
HARRISON	879	893	885	875	884	TUCKER	102	91	93	109	86
JACKSON	205	213	260	277	272	TYLER	116	116	128	117	115
JEFFERSON	294	297	291	322	333	UPSHUR	241	225	256	240	220
KANAWHA	2,298	2,409	2,355	2,399	2,295	WAYNE	383	410	419	377	372
LEWIS	218	229	203	205	230	WEBSTER	145	128	116	131	119
LINCOLN	223	188	231	208	226	WETZEL	211	222	227	222	218
LOGAN	461	481	449	410	479	WIRT	54	52	49	55	49
MCDOWELL	474	485	470	495	424	WOOD	888	920	885	834	916
MARION	752	709	729	721	721	WYOMING	283	295	259	289	230
MARSHALL	361	390	409	371	381						
MASON	245	284	272	315	263						
MERCER	791	777	741	764	741	TOTAL	19,425	19,859	19,763	19,780	19,525
MINERAL	250	265	319	314	301						
MINGO	338	388	332	334	320						

AGE AT DEATH BY COUNTY
WEST VIRGINIA RESIDENT DEATHS, 1989
Table 23

COUNTY	AGE IN YEARS													TOTAL
	LESS THAN ONE	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER	UNKNOWN	
BARBOUR	4	0	0	0	5	1	6	12	17	35	61	41	0	182
BERKELEY	11	2	1	3	17	18	30	31	82	141	152	87	0	575
BOONE	3	3	0	0	6	6	7	17	52	64	60	48	0	266
BRAXTON	1	0	0	1	1	3	6	8	27	41	61	25	0	174
BROOKE	3	0	0	0	0	7	9	16	57	72	80	50	0	294
CABELL	10	1	1	0	12	22	40	56	142	303	349	220	0	1,156
CALHOUN	4	0	0	0	4	4	1	3	11	22	17	15	0	81
CLAY	1	0	2	0	1	1	5	11	15	15	27	19	0	97
DODDRIDGE	0	0	0	0	0	1	2	5	9	17	15	11	0	60
FAYETTE	7	1	2	0	3	5	18	37	88	173	192	144	0	670
GILMER	1	0	0	0	2	1	2	6	5	15	29	20	0	81
GRANT	1	0	1	1	2	2	1	0	12	24	30	26	0	100
GREENBRIER	2	1	0	0	6	4	7	27	56	111	134	93	1	442
HAMPSHIRE	3	1	0	1	5	3	9	14	19	42	43	22	0	162
HANCOCK	4	3	1	0	3	5	10	15	52	111	126	50	0	380
HARDY	4	0	0	0	1	1	4	4	10	32	37	20	0	113
HARRISON	5	2	1	4	8	12	17	46	91	198	285	215	0	884
JACKSON	5	0	1	1	6	4	7	13	28	50	81	67	1	272
JEFFERSON	5	3	0	0	10	8	18	17	41	78	93	59	1	333
KANAWHA	24	4	5	5	24	40	64	111	310	607	654	446	1	2,295
LEWIS	6	0	1	0	2	3	2	13	23	52	76	52	0	230
LINCOLN	4	1	0	1	10	7	11	14	26	54	65	33	0	226
LOGAN	4	2	1	2	10	13	22	29	70	119	129	78	0	479
MCDOWELL	7	3	1	1	13	10	20	22	57	121	111	58	0	424
MARION	9	2	1	0	7	12	17	31	88	172	226	156	0	721
MARSHALL	3	1	0	0	5	7	6	17	61	98	98	85	0	381
MASON	0	0	0	2	2	5	7	16	36	70	79	44	0	263
MERCER	4	2	2	3	14	14	18	34	93	177	232	147	1	741
MINERAL	5	0	0	0	7	3	5	16	47	77	81	60	0	301
MINGO	3	1	0	0	8	9	16	25	49	85	71	53	0	320
MONONGALIA	8	1	0	2	4	16	17	27	60	128	179	127	0	569
MONROE	0	0	0	0	2	2	4	12	17	35	37	28	0	137
MORGAN	1	1	0	0	4	4	2	4	10	25	42	26	0	119
NICHOLAS	2	1	1	0	2	5	5	14	37	60	79	52	0	258
OHIO	2	1	1	1	9	5	12	24	76	178	219	155	0	683
PENDLETON	3	1	0	0	1	0	3	0	8	17	26	17	0	76
PLEASANTS	0	0	0	0	2	2	1	5	15	19	18	9	0	71
POCAHONTAS	1	0	0	0	1	1	2	4	15	36	41	23	0	124
PRESTON	2	0	0	1	10	7	12	11	38	70	107	62	0	320
PUTNAM	2	0	0	2	4	6	7	21	51	72	98	58	0	321
RALEIGH	7	2	0	0	22	12	24	49	120	217	257	153	0	863
RANDOLPH	4	0	0	1	7	5	9	16	49	61	104	59	0	315
RITCHIE	2	1	1	0	1	2	4	6	12	42	35	39	0	145
ROANE	0	0	0	0	4	6	5	11	25	35	29	33	0	148
SUMMERS	0	0	0	1	2	7	3	7	17	35	52	38	0	162
TAYLOR	3	1	0	0	1	3	3	6	28	46	54	41	0	186
TUCKER	0	0	0	2	0	1	2	6	7	24	31	13	0	86
TYLER	2	0	1	0	2	1	2	3	14	24	38	23	0	115
UPSHUR	3	1	0	2	0	4	8	8	24	53	72	45	0	220
WAYNE	6	2	0	0	8	8	10	22	56	85	92	83	0	372
WEBSTER	0	0	0	0	5	1	7	4	11	22	38	31	0	119
WETZEL	1	1	1	0	1	2	5	15	33	54	63	42	0	218
WIRT	0	0	0	0	0	1	0	4	5	13	18	8	0	49
WOOD	13	2	4	1	15	10	23	53	121	204	285	185	0	916
WYOMING	3	0	0	2	4	9	16	16	37	54	63	26	0	230
TOTAL	208	48	30	40	305	351	573	1,019	2,562	4,793	5,771	3,820	5	19,525

PLACE DEATH OCCURRED BY COUNTY OF RESIDENCE
WEST VIRGINIA, 1989
Table 24

COUNTY	PLACE DEATH OCCURRED								
	HOSPITAL	OUT-OF-STATE HOSPITAL	ENROUTE TO HOSPITAL	CLINIC OR CENTER	LICENSED NURSING HOME	UNLICENSED PERSONAL CARE	HOME	OTHER AND UNKNOWN	TOTAL
BARBOUR	113	2	46	0	8	2	11	0	182
BERKELEY	348	79	12	0	56	7	61	12	575
BOONE	165	7	56	2	5	1	28	2	266
BRAXTON	106	5	6	0	14	1	40	2	174
BROOKE	122	69	13	0	35	1	51	3	294
CABELL	673	32	251	0	78	9	102	11	1,156
CALHOUN	45	3	3	0	6	1	16	7	81
CLAY	48	1	5	0	6	0	36	1	97
DODDRIDGE	31	4	0	0	4	2	15	4	60
FAYETTE	420	21	23	0	59	10	122	15	670
GILMER	47	3	1	0	8	2	16	4	81
GRANT	38	27	3	0	10	0	17	5	100
GREENBRIER	185	63	13	1	66	2	104	8	442
HAMPSHIRE	31	62	38	0	15	0	15	1	162
HANCOCK	135	107	25	0	52	1	51	9	380
HARDY	34	30	4	0	16	0	23	6	113
HARRISON	442	22	78	0	118	14	202	8	884
JACKSON	141	5	9	1	38	29	42	7	272
JEFFERSON	169	49	26	0	49	0	31	9	333
KANAWHA	1,363	46	43	0	200	25	560	58	2,295
LEWIS	141	3	25	0	19	2	36	4	230
LINCOLN	127	1	26	1	8	3	51	9	226
LOGAN	329	17	112	0	7	2	7	5	479
MCDOWELL	228	59	117	0	10	1	6	3	424
MARION	402	74	25	0	91	1	168	10	721
MARSHALL	251	16	24	0	45	0	39	6	381
MASON	126	46	44	0	19	5	18	5	263
MERCER	480	30	135	0	46	2	44	4	741
MINERAL	81	128	12	0	34	1	37	8	301
MINGO	130	61	26	1	36	3	51	12	320
MONONGALIA	309	14	15	0	81	4	141	7	569
MONROE	53	23	4	0	9	15	33	0	137
MORGAN	47	33	16	0	10	0	9	2	119
NICHOLAS	164	7	37	0	13	1	33	3	258
OHIO	423	37	8	0	125	1	84	5	683
PENDLETON	14	27	0	0	15	1	18	1	76
PLEASANTS	38	8	2	0	5	0	16	2	71
POCAHONTAS	73	17	2	0	11	0	18	3	124
PRESTON	168	15	53	0	36	4	41	3	320
PUTNAM	185	6	2	0	30	5	84	9	321
RALEIGH	584	23	153	0	54	4	37	8	863
RANDOLPH	185	5	55	0	40	1	24	5	315
RITCHIE	69	3	2	1	26	1	37	6	145
ROANE	103	2	1	0	5	1	27	9	148
SUMMERS	109	6	29	0	5	4	7	2	162
TAYLOR	98	2	28	0	30	3	24	1	186
TUCKER	44	5	11	0	12	0	11	3	86
TYLER	60	5	12	0	8	1	24	4	115
UPSHUR	124	2	44	0	29	4	15	2	220
WAYNE	180	31	79	0	17	2	61	2	372
WEBSTER	76	4	24	0	2	0	12	1	119
WETZEL	116	8	22	0	30	1	38	3	218
WIRT	27	2	2	0	0	1	16	1	49
WOOD	523	60	27	0	90	5	181	22	916
WYOMING	147	6	34	1	11	0	21	10	230
TOTAL	10,870	1,373	1,863	8	1,861	196	3,012	352	19,525

LEADING CAUSES OF DEATH, 1989
WEST VIRGINIA COMPARED TO THE UNITED STATES
Table 25

LEADING CAUSES OF DEATH	NUMBER OF DEATHS	1989 WV CRUDE RATE	1989 WV AGE-ADJUSTED RATE*	1989 U.S. CRUDE RATE**	% DIFF. FROM U.S.
Diseases of the Heart	7,306	389.2	348.4	295.9	+17.7
Malignant Neoplasms	4,400	234.4	212.3	199.9	+6.2
Cerebrovascular Disease	1,187	63.2	56.2	58.9	-4.6
Accidents, All Forms	934	49.8	48.4	37.2	+30.1
Chronic Obstructive Pulmonary Disease and Allied Conditions	888	47.3	42.0	33.8	+24.3
Pneumonia & Influenza	631	33.6	30.0	30.3	-1.0
Diabetes Mellitus	503	26.8	24.0	18.7	28.3
Suicide	230	12.3	12.0	12.1	-0.8
Nephritis, Nephrotic Syndrome, and Nephrosis	227	12.1	10.8	8.9	+21.3
Chronic Liver Disease and Cirrhosis	185	9.9	9.2	10.6	-13.2
Total for Leading Causes	16,491	878.6	793.3	706.3	+12.3
All Other Causes (Residual)	3,034	161.6	149.6	161.8	-7.5
Total For All Causes	19,525	1,040.2	942.9	868.1	+8.6

*Rates are adjusted by age to the 1988 U.S. population distribution using population estimates from U.S. Bureau of the Census, Current Population Reports, Series P-25, No. 1044, 1989.

**National Center for Health Statistics. Monthly Vital Statistics Report, Vol. 38, No. 12, DHHS Pub. No. (PHS) 90-1120, April 4, 1990.

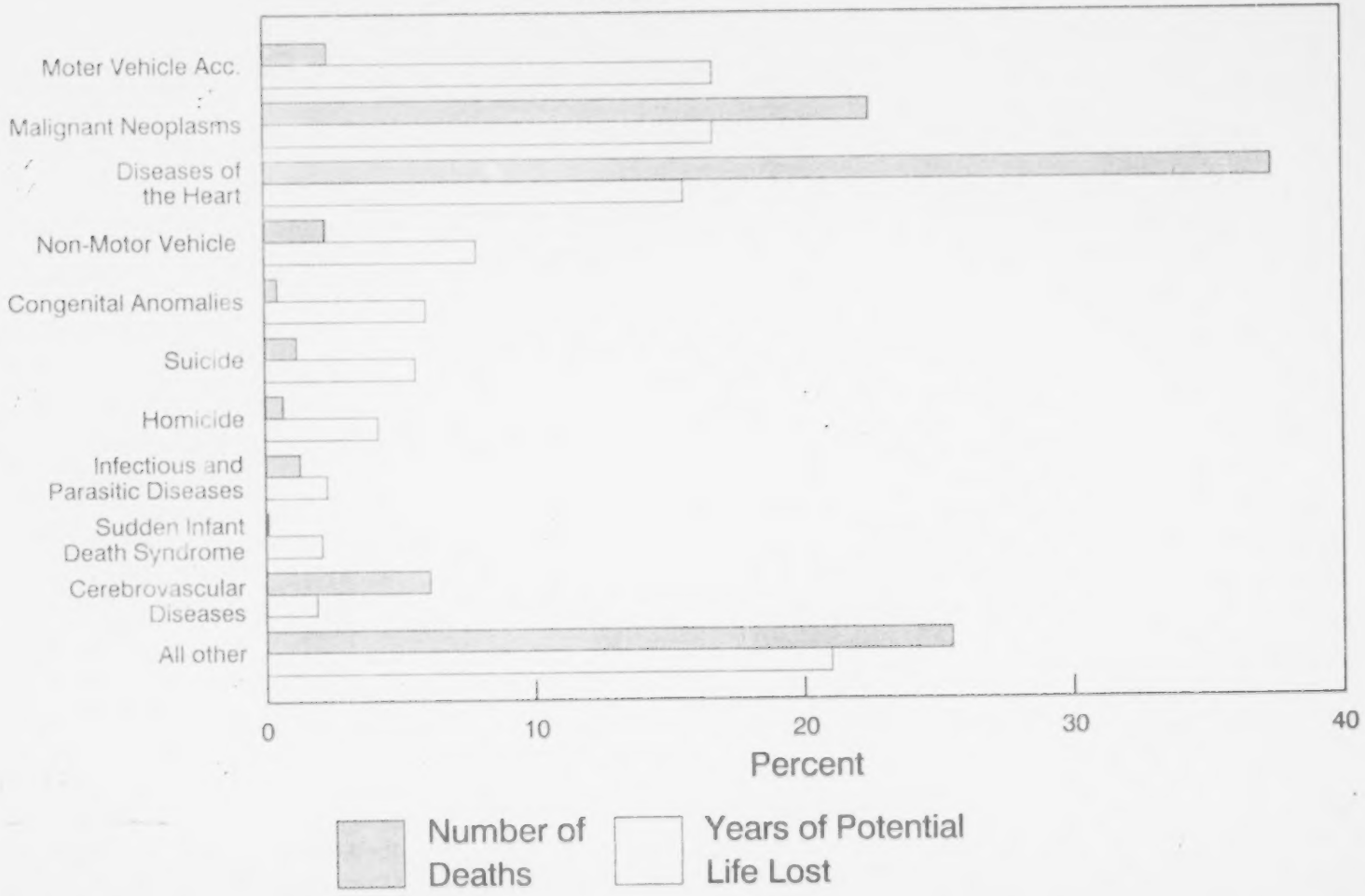
1989 LEADING CAUSES OF DEATH
West Virginia and United States
Exhibit 10

* West Virginia rates are adjusted by age to the 1988 U.S. population distribution.

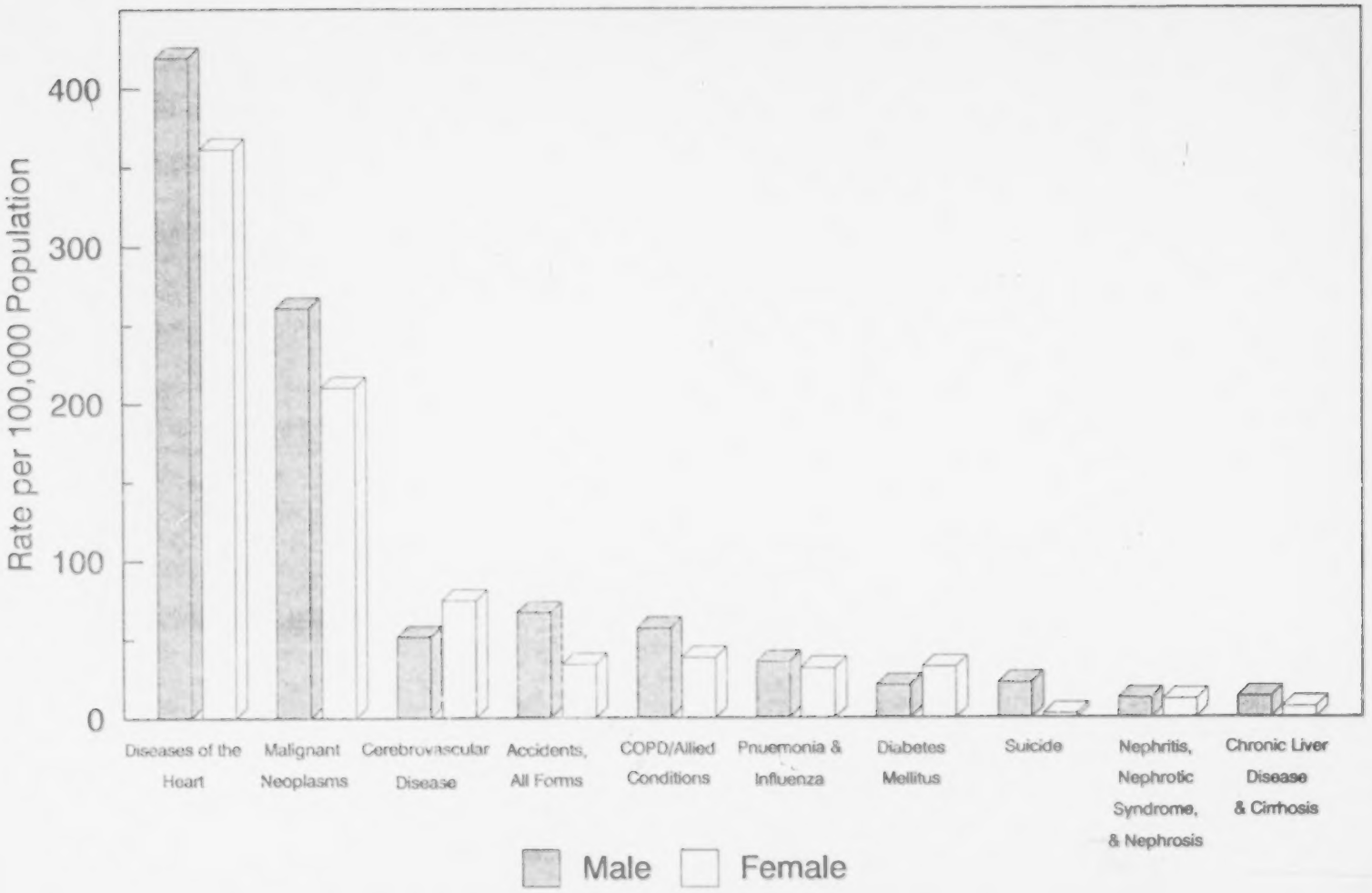
NUMBER AND PERCENT DISTRIBUTION OF LEADING CAUSES OF RESIDENT DEATHS
BY YEARS OF POTENTIAL LIFE LOST AND ACTUAL DEATHS
WEST VIRGINIA, 1988 and 1989
Table 26

CAUSE OF DEATH	YEARS OF POTENTIAL LIFE LOST BEFORE AGE 65				ACTUAL DEATHS			
	NUMBER		PERCENT		NUMBER		PERCENT	
	1989	1988	1989	1988	1989	1988	1989	1988
ALL CAUSES	88,093	88,469	100.0	100.0	19,525	19,780	100.0	100.0
MOTOR VEHICLE ACCIDENTS	14,701	15,303	16.7	17.3	477	495	2.4	2.5
DISEASES OF THE HEART	13,785	14,394	15.6	16.3	7,306	7,447	37.4	37.6
MALIGNANT NEOPLASMS	14,725	14,804	16.7	16.7	4,400	4,355	22.5	22.0
NONMOTOR VEHICLE ACCIDENTS	6,981	7,015	7.9	7.9	457	400	2.3	2.0
SUICIDE	4,925	4,779	5.6	5.4	230	218	1.2	1.1
CONGENITAL ANOMALIES	5,243	4,406	6.0	5.0	104	98	0.5	0.5
HOMICIDE	3,713	3,434	4.2	3.9	137	108	0.7	0.5
CEREBROVASCULAR DISEASES	1,677	1,594	1.9	1.8	1,187	1,295	6.1	6.5
RESPIRATORY DISTRESS SYNDROME AND BIRTH ASPHYXIA	1,161	1,935	1.3	2.2	18	30	0.1	0.2
INFECTIOUS AND PARASITIC DISEASES	2,009	1,307	2.3	1.5	261	331	1.3	1.7
OTHER RESPIRATORY CONDITIONS OF NEWBORN	774	710	0.9	0.8	12	11	0.1	0.1
CHRONIC OBSTRUCTIVE PULMONARY DISEASES AND ALLIED CONDITIONS	1,301	1,343	1.5	1.5	888	914	4.5	4.6
CHRONIC LIVER DISEASE AND CIRRHOSIS	1,378	1,318	1.6	1.5	185	160	0.9	0.8
DISORDERS RELATING TO SHORT GESTATION AND PREMATURE BIRTHS	1,419	1,355	1.6	1.5	22	21	0.1	0.1
SUDDEN INFANT DEATH SYNDROME	1,806	1,935	2.1	2.2	28	30	0.1	0.2
DIABETES MELLITUS	1,266	1,117	1.4	1.3	503	391	2.6	2.0
PNEUMONIA AND INFLUENZA	1,094	1,112	1.2	1.3	631	692	3.2	3.5
ALCOHOL OR DRUG PSYCHOSES, DEPENDENCE OR ABUSE	630	484	0.7	0.5	52	38	0.3	0.2
ALL OTHER CAUSES (RESIDUAL)	9,506	10,127	10.8	11.4	2,627	2,746	13.5	13.9

DISTRIBUTION OF YEARS OF POTENTIAL LIFE LOST AND NUMBER OF DEATHS
West Virginia Resident Deaths, 1989
Exhibit 11



1989 TEN LEADING CAUSES OF DEATH
West Virginia Resident Deaths
Exhibit 12



LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1989
Table 27

LEADING CAUSES OF DEATH	TOTAL ALL AGE GROUPS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	10,252	100.0	9,273	100.0	19,525	100.0
DISEASES OF THE HEART	3,810	37.2	3,496	37.7	7,306	37.4
MALIGNANT NEOPLASMS	2,369	23.1	2,031	21.9	4,400	22.5
CEREBROVASCULAR DISEASES	466	4.5	721	7.8	1,187	6.1
ACCIDENTS, ALL FORMS	606	5.9	328	3.5	934	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	517	5.0	371	4.0	888	4.5
PNEUMONIA AND INFLUENZA	324	3.2	307	3.3	631	3.2
DIABETES MELLITUS	189	1.8	314	3.4	503	2.6
SUICIDE	203	2.0	27	0.3	230	1.2
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	113	1.1	114	1.2	227	1.2
CHRONIC LIVER DISEASE AND CIRRHOSIS	120	1.2	65	0.7	185	0.9
SEPTICEMIA	73	0.7	96	1.0	169	0.9
ALL OTHER CAUSES (RESIDUAL)	1,462	14.3	1,403	15.1	2,865	14.7

LEADING CAUSES OF DEATH	UNDER ONE YEAR					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	112	100.0	96	100.0	208	100.0
CONGENITAL ANOMALIES	22	19.6	42	43.8	64	30.8
SUDDEN INFANT DEATH SYNDROME	17	15.2	11	11.5	28	13.5
SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	11	9.8	11	11.5	22	10.6
RESPIRATORY DISTRESS SYNDROME	14	12.5	3	3.1	17	8.2
OTHER RESPIRATORY CONDITIONS OF NEWBORN	5	4.5	7	7.3	12	5.8
ILL-DEFINED CONDITIONS ORIGINATING IN PERINATAL PERIOD	6	5.4	4	4.2	10	4.8
ACCIDENTS, ALL FORMS	7	6.3	1	1.0	8	3.8
COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	3	2.7	3	3.1	6	2.9
DISEASES OF THE HEART	4	3.6	0	0.0	4	1.9
MATERNAL COMPLICATIONS OF PREGNANCY	3	2.7	1	1.0	4	1.9
MALIGNANT NEOPLASMS	1	0.9	2	2.1	3	1.4
ALL OTHER CAUSES (RESIDUAL)	19	17.0	11	11.5	30	14.4

LEADING CAUSES OF DEATH	ONE TO FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	28	100.0	20	100.0	48	100.0
ACCIDENTS, ALL FORMS	11	39.3	10	50.0	21	43.8
CONGENITAL ANOMALIES	5	17.9	2	10.0	7	14.6
DISEASES OF THE HEART	3	10.7	1	5.0	4	8.3
ALL OTHER CAUSES (RESIDUAL)	9	32.1	7	35.0	16	33.3

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1989
Table 27 (cont'd)

LEADING CAUSES OF DEATH	FIVE TO NINE YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	19	100.0	11	100.0	30	100.0
ACCIDENTS, ALL FORMS	11	57.9	7	63.6	18	60.0
MALIGNANT NEOPLASMS	2	10.5	1	9.1	3	10.0
ALL OTHER CAUSES (RESIDUAL)	6	31.6	3	27.3	9	30.0

LEADING CAUSES OF DEATH	TEN TO FOURTEEN YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	21	100.0	19	100.0	40	100.0
ACCIDENTS, ALL FORMS	10	47.6	8	42.1	18	45.0
MALIGNANT NEOPLASMS	2	9.5	2	10.5	4	10.0
DISEASES OF THE HEART	1	4.8	3	15.8	4	10.0
SUICIDE	2	9.5	2	10.5	4	10.0
ALL OTHER CAUSES (RESIDUAL)	6	28.6	4	21.1	10	25.0

LEADING CAUSES OF DEATH	FIFTEEN TO TWENTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	220	100.0	85	100.0	305	100.0
ACCIDENTS, ALL FORMS	136	61.8	54	63.5	190	62.3
SUICIDE	27	12.3	3	3.5	30	9.8
HOMICIDE	21	9.5	7	8.2	28	9.2
MALIGNANT NEOPLASMS	9	4.1	5	5.9	14	4.6
DISEASES OF THE HEART	5	2.3	2	2.4	7	2.3
CONGENITAL ANOMALIES	3	1.4	2	2.4	5	1.6
PNEUMONIA AND INFLUENZA	3	1.4	0	0.0	3	1.0
ALL OTHER CAUSES (RESIDUAL)	16	7.3	12	14.1	28	9.2

LEADING CAUSES OF DEATH	TWENTY-FIVE TO THIRTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	252	100.0	99	100.0	351	100.0
ACCIDENTS, ALL FORMS	108	42.9	29	29.3	137	39.0
SUICIDE	45	17.9	4	4.0	49	14.0
MALIGNANT NEOPLASMS	12	4.8	24	24.2	36	10.3
HOMICIDE	28	11.1	3	3.0	31	8.8
DISEASES OF THE HEART	18	7.1	11	11.1	29	8.3
CEREBROVASCULAR DISEASES	4	1.6	5	5.1	9	2.6
DIABETES MELLITUS	3	1.2	3	3.0	6	1.7
PNEUMONIA AND INFLUENZA	3	1.2	1	1.0	4	1.1
CHRONIC LIVER DISEASE AND CIRRHOSIS	4	1.6	0	0.0	4	1.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	0.8	2	2.0	4	1.1
CONGENITAL ANOMALIES	1	0.4	2	2.0	3	0.9
ALL OTHER CAUSES (RESIDUAL)	24	9.5	15	15.2	39	11.1

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1989
Table 27 (cont'd)

LEADING CAUSES OF DEATH	THIRTY-FIVE TO FORTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	378	100.0	195	100.0	573	100.0
MALIGNANT NEOPLASMS	52	13.8	72	36.9	124	21.6
ACCIDENTS, ALL FORMS	80	21.2	29	14.9	109	19.0
DISEASES OF THE HEART	92	24.3	16	8.2	108	18.8
SUICIDE	37	9.8	8	4.1	45	7.9
HOMICIDE	25	6.6	13	6.7	38	6.6
CEREBROVASCULAR DISEASES	12	3.2	10	5.1	22	3.8
CHRONIC LIVER DISEASE AND CIRRHOSIS	16	4.2	6	3.1	22	3.8
DIABETES MELLITUS	7	1.9	8	4.1	15	2.6
PNEUMONIA AND INFLUENZA	1	0.3	5	2.6	6	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	2	0.5	4	2.1	6	1.0
CONGENITAL ANOMALIES	3	0.8	2	1.0	5	0.9
ALL OTHER CAUSES (RESIDUAL)	51	13.5	22	11.3	73	12.7

LEADING CAUSES OF DEATH	FORTY-FIVE TO FIFTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	672	100.0	347	100.0	1,019	100.0
MALIGNANT NEOPLASMS	189	28.1	159	45.8	348	34.2
DISEASES OF THE HEART	246	36.6	75	21.6	321	31.5
ACCIDENTS, ALL FORMS	51	7.6	18	5.2	69	6.8
CHRONIC LIVER DISEASE AND CIRRHOSIS	27	4.0	3	0.9	30	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	16	2.4	12	3.5	28	2.7
CEREBROVASCULAR DISEASES	12	1.8	15	4.3	27	2.6
DIABETES MELLITUS	9	1.3	13	3.7	22	2.2
SUICIDE	19	2.8	3	0.9	22	2.2
HOMICIDE	9	1.3	5	1.4	14	1.4
PNEUMONIA AND INFLUENZA	9	1.3	3	0.9	12	1.2
SEPTICEMIA	3	0.4	4	1.2	7	0.7
ALL OTHER CAUSES (RESIDUAL)	82	12.2	37	10.7	119	11.7

LEADING CAUSES OF DEATH	FIFTY-FIVE TO SIXTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	1,538	100.0	1,024	100.0	2,562	100.0
DISEASES OF THE HEART	620	40.3	309	30.2	929	36.3
MALIGNANT NEOPLASMS	461	30.0	394	38.5	855	33.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	66	4.3	61	6.0	127	5.0
CEREBROVASCULAR DISEASES	42	2.7	50	4.9	92	3.6
ACCIDENTS, ALL FORMS	57	3.7	24	2.3	81	3.2
DIABETES MELLITUS	29	1.9	40	3.9	69	2.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	29	1.9	13	1.3	42	1.6
PNEUMONIA AND INFLUENZA	27	1.8	8	0.8	35	1.4
SUICIDE	25	1.6	1	0.1	26	1.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	11	0.7	8	0.8	19	0.7
SEPTICEMIA	4	0.3	11	1.1	15	0.6
ALL OTHER CAUSES (RESIDUAL)	167	10.9	105	10.3	272	10.6

LEADING CAUSES OF RESIDENT DEATHS BY AGE GROUP AND SEX
WEST VIRGINIA, 1989
Table 27 (cont'd)

LEADING CAUSES OF DEATH	SIXTY-FIVE TO SEVENTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	2,790	100.0	2,003	100.0	4,793	100.0
DISEASES OF THE HEART	1,082	38.8	701	35.0	1,783	37.2
MALIGNANT NEOPLASMS	854	30.6	601	30.0	1,455	30.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	174	6.2	132	6.6	306	6.4
CEREBROVASCULAR DISEASES	120	4.3	112	5.6	232	4.8
DIABETES MELLITUS	61	2.2	83	4.1	144	3.0
PNEUMONIA AND INFLUENZA	56	2.0	30	1.5	86	1.8
ACCIDENTS, ALL FORMS	43	1.5	29	1.4	72	1.5
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	31	1.1	29	1.4	60	1.3
CHRONIC LIVER DISEASE AND CIRRHOSIS	31	1.1	27	1.3	58	1.2
SEPTICEMIA	28	1.0	16	0.8	44	0.9
SUICIDE	24	0.9	3	0.1	27	0.6
ALL OTHER CAUSES (RESIDUAL)	286	10.3	240	12.0	526	11.0

LEADING CAUSES OF DEATH	SEVENTY-FIVE TO EIGHTY-FOUR YEARS					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	2,912	100.0	2,859	100.0	5,771	100.0
DISEASES OF THE HEART	1,145	39.3	1,156	40.4	2,301	39.9
MALIGNANT NEOPLASMS	630	21.6	533	18.6	1,163	20.2
CEREBROVASCULAR DISEASES	179	6.1	267	9.3	446	7.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	192	6.6	117	4.1	309	5.4
PNEUMONIA AND INFLUENZA	121	4.2	100	3.5	221	3.8
DIABETES MELLITUS	60	2.1	113	4.0	173	3.0
ACCIDENTS, ALL FORMS	63	2.2	68	2.4	131	2.3
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	36	1.2	39	1.4	75	1.3
SEPTICEMIA	23	0.8	28	1.0	51	0.9
ATHEROSCLEROSIS	23	0.8	25	0.9	48	0.8
COAL WORKER'S PNEUMOCONIOSIS	40	1.4	0	0.0	40	0.7
ALL OTHER CAUSES (RESIDUAL)	400	13.7	413	14.4	813	14.1

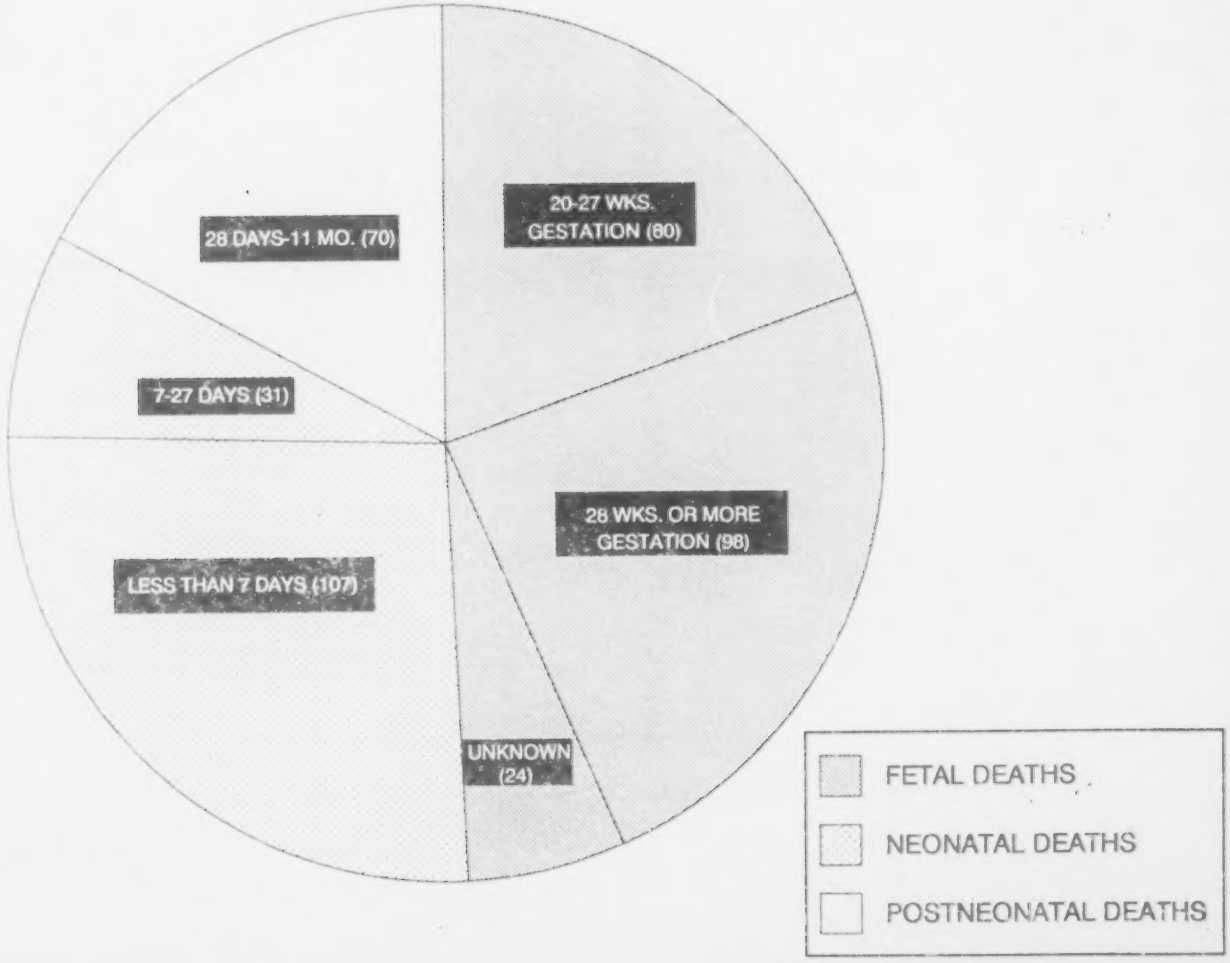
LEADING CAUSES OF DEATH	EIGHTY-FIVE AND OVER					
	MALE		FEMALE		TOTAL	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL DEATHS, ALL CAUSES	1,307	100.0	2,513	100.0	3,820	100.0
DISEASES OF THE HEART	594	45.4	1,221	48.6	1,815	47.5
MALIGNANT NEOPLASMS	156	11.9	236	9.4	392	10.3
CEREBROVASCULAR DISEASES	96	7.3	262	10.4	358	9.4
PNEUMONIA AND INFLUENZA	101	7.7	158	6.3	259	6.8
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	67	5.1	42	1.7	109	2.9
ATHEROSCLEROSIS	25	1.9	57	2.3	82	2.1
ACCIDENTS, ALL FORMS	29	2.2	51	2.0	80	2.1
DIABETES MELLITUS	19	1.5	53	2.1	72	1.9
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	25	1.9	35	1.4	60	1.6
SEPTICEMIA	10	0.8	35	1.4	45	1.2
HYPERTENSION	6	0.5	16	0.6	22	0.6
ALL OTHER CAUSES (RESIDUAL)	179	13.7	347	13.8	526	13.8

FETAL DEATHS, NEONATAL DEATHS, AND POSTNEONATAL DEATHS
NUMBER AND RATIO
WEST VIRGINIA RESIDENT PERINATAL DEATHS, 1925-1989
Table 28

YEAR OF DEATH	FETAL DEATHS		NEONATAL DEATHS		POSTNEONATAL DEATHS	
	Number	Ratio per 1,000 Live Births	Number	Rate* per 1,000 Live Births	Number	Rate* per 1,000 Live Births
1925	1,740	38.5	NA	NA	NA	NA
1930	1,547	37.2	NA	NA	NA	NA
1935	1,647	39.4	1,467	35.1	1,071	25.6
1940	1,483	35.4	1,321	31.5	937	22.4
1945	1,594	41.5	1,085	28.2	928	24.1
1950	1,126	22.1	1,184	23.3	665	13.1
1955	813	18.4	847	19.2	351	7.9
1960	583	14.7	713	18.0	292	7.4
1965	575	18.0	649	20.3	218	6.8
1970	513	17.0	542	17.9	163	5.4
1975	323	11.6	385	13.8	128	4.6
1980	275	9.3	235	8.0	112	3.8
1981	293	10.5	246	8.8	117	4.2
1982	272	10.0	197	7.2	115	4.2
1983	264	10.2	181	7.0	100	3.9
1984	221	9.0	174	7.1	95	3.9
1985	208	8.6	175	7.3	82	3.4
1986	174	7.5	153	6.6	84	3.6
1987	172	7.7	151	6.7	68	3.0
1988	151	6.9	128	5.9	69	3.2
1989	202	9.2	138	6.3	70	3.2

*Neonatal rate plus postneonatal rate does not always add to overall infant death rate found elsewhere in this publication due to rounding.

FETAL DEATHS, NEONATAL DEATHS, AND POSTNEONATAL DEATHS
1989 West Virginia Resident Perinatal Deaths
Exhibit 13



CAUSES OF RESIDENT INFANT DEATHS BY AGE
WEST VIRGINIA, 1989
Table 29

ICDA 9 CODE NUMBER	CAUSE OF DEATH	UNDER 1 DAY	1 TO 6 DAYS	7 TO 27 DAYS	28 DAYS TO 11 MONTHS	TOTAL
001-999	TOTAL DEATHS, ALL CAUSES	68	39	31	70	208
036	MENINGOCOCCAL INFECTION	0	0	0	1	1
038	SEPTICEMIA	0	0	0	1	1
045-079	VIRAL DISEASES	0	0	1	0	1
140-208	MALIGNANT NEOPLASMS	0	0	2	1	3
210-239	BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASMS OF UNSPECIFIED NATURE	0	1	0	0	1
280-289	DISEASES OF BLOOD AND BLOOD FORMING ORGANS	0	0	0	1	1
323-389	OTHER DISEASES OF NERVOUS SYSTEM AND SENSE ORGANS	0	0	0	1	1
390-398, 402,404-429	DISEASE OF THE HEART	0	2	0	2	4
460-465	ACUTE UPPER RESPIRATORY INFECTIONS	0	0	0	2	2
466,490-491	BRONCHITIS AND BRONCHIOLITIS	0	0	0	1	1
480-487	PNEUMONIA AND INFLUENZA	0	0	1	1	2
480-486	PNEUMONIA	0	0	1	1	2
740-759	CONGENITAL ANOMALIES	14	19	13	18	64
740	ANENCEPHALUS AND SIMILAR ANOMALIES	2	1	0	0	3
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	0	1	1	0	2
745-746	CONGENITAL ANOMALIES OF HEART	2	2	5	11	20
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	0	2	2	2	6
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	3	2	0	2	7
749-751	CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	0	0	1	1	2
752-753	CONGENITAL ANOMALIES OF GENITOURINARY SYSTEM	5	3	0	0	8
754-756	CONGENITAL ANOMALIES OF MUSCULOSKELETAL SYSTEM	1	0	3	0	4
758	CHROMOSOMAL ANOMALIES	1	5	0	0	6
744,757,759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	0	3	1	2	6
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	54	16	8	4	82
760	NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	2	0	0	0	2
761	NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	4	0	0	0	4
762	NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	5	1	0	0	6
763	NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	1	0	0	0	1
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	19	3	0	0	22
767	BIRTH TRAUMA	0	1	0	0	1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	0	1	0	0	1
768.5-768.9	BIRTH ASPHYXIA	0	1	0	0	1
769	RESPIRATORY DISTRESS SYNDROME	10	6	1	0	17
770	OTHER RESPIRATORY CONDITIONS OF NEWBORN	6	0	2	4	12
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	0	2	0	3
772	NEONATAL HEMORRHAGE	0	2	1	0	3
776.1-779	ALL OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN PERINATAL PERIOD	6	2	2	0	10
780-799	SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0	6	25	31
798.0	SUDDEN INFANT DEATH SYNDROME	0	0	4	24	28
E800-999	EXTERNAL CAUSES OF INJURY AND POISONING	0	0	0	8	8
E800-949	ACCIDENTS, ALL FORMS	0	0	0	8	8
E810-825	MOTOR VEHICLE ACCIDENTS	0	0	0	4	4
E910-915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION AND FOREIGN BODIES	0	0	0	3	3
E911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	0	0	0	1	1
E912	INHALATION AND INGESTION OF OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	0	0	0	1	1
E913	ACCIDENTAL MECHANICAL SUFFOCATION	0	0	0	1	1
RESIDUAL	ALL OTHER CAUSES (RESIDUAL)	0	1	0	4	5

RESIDENT INFANT DEATHS AND SELECTED RISK FACTORS
ASSOCIATED WITH INFANT DEATHS BY RACE
WEST VIRGINIA, 1989
Table 30

	WHITE		BLACK		TOTAL	
	NUMBER	RATE OR PERCENT	NUMBER	RATE OR PERCENT	NUMBER	RATE OR PERCENT
Infant Mortality Rate*:	198	9.4	10	10.9	208	9.4
Neonatal Rate**	133	6.3	5	5.4	138	6.3
Postneonatal Rate***	35	3.1	5	5.4	70	3.1
Low Birthweight (<2500 g):						
% of Total Births	1,343	6.4%	118	12.8%	1,465	6.6%
% of Births to Mothers <20 Years	265	7.2%	34	14.2%	299	7.6%
Births to Teenage Mothers:						
% to Mothers <20 Years	3,688	17.5%	239	26.0%	3,933	17.8%
% to Mothers <15 Years	60	0.3%	6	0.7%	66	0.3%
Births with Known Prenatal Care:						
% 1st Trimester Prenatal Care	14,786	74.4%	436	54.4%	15,314	73.7%
% 3rd Trimester or No Prenatal Care	996	5.0%	102	12.7%	1,109	5.3%
Gestational Age:						
37+ Weeks Gestation	18,726	89.1%	787	85.6%	19,616	88.9%
<37 Weeks Gestation	1,415	6.7%	104	11.3%	1,529	6.9%
Unknown Gestation	875	4.2%	28	3.0%	922	4.2%

*Deaths per 1,000 live births

**Deaths before 28 days of life per 1,000 live births

***Deaths age 28 days through 11 months per 1,000 live births

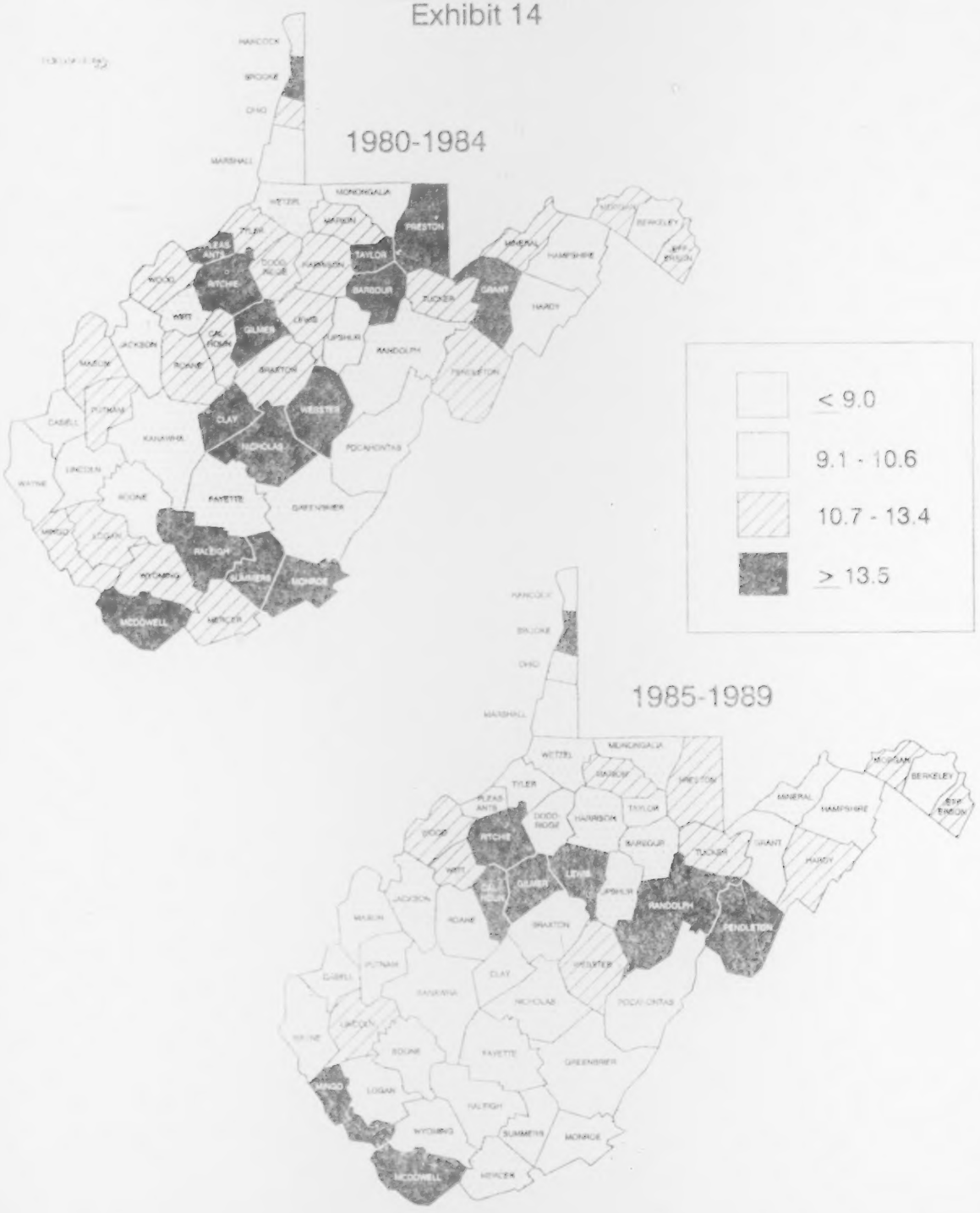
NUMBER AND RATE OF RESIDENT INFANT DEATHS BY COUNTY
WEST VIRGINIA, 1985-1989
Table 31

COUNTY OF RESIDENCE	YEAR 1985		1986		1987		1988		1989	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
WV TOTAL	257	10.7	237	10.2	219	9.8	197	9.0	208	9.4
BARBOUR	1	5.2	1	4.7	3	18.0	0	0.0	4	18.5
BERKELEY	10	13.2	4	5.1	3	3.7	6	7.0	11	12.0
BOONE	4	11.7	4	10.7	4	12.9	0	0.0	3	11.4
BRAXTON	1	4.7	1	5.6	2	10.2	3	16.6	1	6.3
BROOKE	6	20.4	4	16.2	3	11.2	4	16.3	3	12.3
CABELL	5	4.5	18	15.0	10	8.9	13	11.5	10	8.6
CALHOUN	2	16.0	1	7.8	3	31.6	0	0.0	4	45.5
CLAY	2	11.5	1	5.3	0	0.0	1	7.2	1	7.5
DODDRIDGE	0	0.0	0	0.0	0	0.0	1	19.6	0	0.0
FAYETTE	4	5.8	5	8.2	4	6.8	8	14.9	7	12.9
GILMER	1	9.5	1	10.3	2	20.4	2	22.5	1	12.5
GRANT	0	0.0	2	15.7	0	0.0	1	8.3	1	6.9
GREENBRIER	2	5.0	3	7.1	2	5.1	2	5.0	2	4.9
HAMPSHIRE	2	9.8	0	0.0	2	9.3	1	5.3	3	12.1
HANCOCK	3	7.2	3	8.1	3	8.0	1	3.0	4	11.6
HARDY	1	7.9	0	0.0	1	9.0	2	13.5	4	24.7
HARRISON	9	9.0	15	15.1	12	13.2	7	8.5	5	6.2
JACKSON	1	3.2	3	8.6	3	9.6	4	12.6	5	15.5
JEFFERSON	7	14.4	9	17.6	7	13.2	3	5.7	5	9.0
KANAWHA	33	11.8	19	7.0	22	8.1	18	7.0	24	9.1
LEWIS	3	12.4	5	21.5	1	4.8	2	9.7	6	29.9
LINCOLN	3	10.1	0	0.0	3	10.1	6	21.7	4	14.2
LOGAN	5	7.9	3	5.2	5	9.6	2	3.8	4	7.1
MCDOWELL	11	17.2	7	11.3	3	5.2	11	21.0	7	13.2
MARION	6	8.4	10	15.4	8	11.5	7	10.7	9	13.5
MARSHALL	0	0.0	3	6.4	3	7.1	2	4.3	3	6.7
MASON	4	11.5	2	7.0	2	6.5	2	6.4	0	0.0
MERCER	11	12.7	11	13.9	7	9.0	8	10.6	4	5.1
MINERAL	2	5.6	2	6.6	3	8.9	5	15.4	5	15.6
MINGO	17	29.7	6	11.0	6	12.2	4	8.6	3	6.0
MONONGALIA	14	15.0	11	12.4	9	9.8	4	4.6	8	9.5
MONROE	0	0.0	4	25.8	3	19.2	0	0.0	0	0.0
MORGAN	2	14.4	1	9.0	4	32.8	0	0.0	1	6.8
NICHOLAS	3	8.1	9	23.6	3	8.3	1	3.1	2	6.2
OHIO	7	10.1	8	11.9	10	15.2	8	11.8	2	3.3
PENDLETON	1	8.7	4	36.7	1	8.8	1	8.8	3	29.4
PLEASANTS	0	0.0	1	12.8	1	13.0	1	11.0	0	0.0
POCAHONTAS	1	8.2	1	10.0	0	0.0	1	9.5	1	9.1
PRESTON	2	4.7	6	15.3	6	16.8	7	18.2	2	5.7
PUTNAM	8	13.7	4	6.9	3	5.5	4	7.8	2	3.6
RALEIGH	9	8.5	11	12.0	3	3.5	7	8.2	7	8.6
RANDOLPH	4	10.0	4	11.4	5	13.3	8	23.3	4	10.8
RITCHIE	5	35.5	1	8.3	0	0.0	0	0.0	2	18.3
ROANE	2	10.3	3	15.8	0	0.0	2	10.6	0	0.0
SUMMERS	1	5.9	1	6.7	2	14.0	1	7.7	0	0.0
TAYLOR	0	0.0	2	10.4	1	5.4	0	0.0	3	15.2
TUCKER	2	19.4	0	0.0	1	13.5	2	27.8	0	0.0
TYLER	1	7.9	0	0.0	1	9.1	1	9.8	2	15.4
UPSHUR	5	14.3	2	5.9	6	20.8	0	0.0	3	11.5
WAYNE	3	5.7	4	7.6	5	9.9	8	16.1	6	11.7
WEBSTER	2	11.7	3	21.1	3	19.5	0	0.0	0	0.0
WETZEL	5	18.5	2	6.7	3	12.3	3	11.7	1	4.0
WIRT	1	13.2	0	0.0	2	30.3	1	13.7	0	0.0
WOOD	19	16.6	11	9.7	15	13.2	8	7.1	13	11.5
WYOMING	4	10.0	1	2.6	5	14.6	3	8.8	3	8.1

RESIDENT INFANT DEATH RATES BY COUNTY

West Virginia, 1980-1984 and 1985-89

Exhibit 14



CAUSES OF RESIDENT FETAL DEATHS
WEST VIRGINIA, 1985-1989
Table 32

ICDA 9 CODE	CAUSE OF DEATH	1985	1986	1987	1988	1989
740-779,799.9	TOTAL FETAL DEATHS, ALL CAUSES	208	174	172	151	202
740-759	CONGENITAL ANOMALIES	17	19	11	17	19
740	Anencephalus	4	4	3	7	3
741	Spina bifida	1	1	0	0	1
742	Other anomalies of nervous system	4	1	2	1	0
758	Chromosomal anomalies	3	1	0	1	1
758.0	Down's syndrome	1	0	0	1	0
759	Other and unspecified anomalies	4	5	3	5	6
759.7	Multiple congenital anomalies	1	4	0	4	0
760-779	CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	190	155	161	134	171
760	Maternal conditions	13	7	5	9	8
760.5	Maternal injury	3	1	1	1	0
761	Maternal complications of pregnancy	11	11	13	6	28
761.1	Premature rupture of membranes	6	4	7	4	6
761.5	Multiple pregnancy	0	2	1	0	1
761.8	Other specified conditions	0	0	0	1	12
762	Complications of placenta, cord & membranes	83	66	76	57	63
762.1	Premature rupture of membranes	35	22	24	16	26
762.2	Unspecified abnormalities of placenta	11	10	12	10	7
762.4	Prolapsed cord	2	2	2	2	2
762.5	Other compression of umbilical cord	23	21	26	25	25
762.6	Unspecified conditions of umbilical cord	6	8	6	1	4
762.7	Chorlamnionitis	0	0	0	1	1
763	Other complications of labor and delivery	1	3	4	1	0
764	Slow fetal growth and fetal malnutrition	1	2	2	0	2
765	Short gestation and unspecified low birthweight	8	6	5	5	7
765.0	Extreme prematurity	3	2	3	2	2
765.1	Other preterm infants	5	4	2	2	5
767	Birth trauma	0	0	0	0	0
768	Intrauterine hypoxia and birth asphyxia	3	3	1	3	4
770	Other respiratory conditions	1	1	0	0	1
771	Infections specific to perinatal period	3	1	0	2	0
772	Fetal hemorrhage	1	0	1	0	1
775	Endocrine and metabolic disturbances	0	4	4	3	2
775.0	Syndrome of "infant of a diabetic mother"	0	4	3	2	2
775.1	Neonatal diabetes mellitus	0	0	0	1	0
778	Integument and temperature regulation	0	4	0	0	1
779	Other and ill-defined conditions	65	45	50	48	53
779.6	Termination of pregnancy	17	1	5	2	3
779.9	Other and unspecified causes	48	44	37	40	42
799.9	RESIDUAL - ALL OTHER CAUSES AND UNKNOWN	1	0	0	0	12

NUMBER AND RATIO OF RESIDENT FETAL DEATHS BY COUNTY
WEST VIRGINIA, 1985-1989
Table 33

COUNTY OF RESIDENCE	1985		1986		1987		1988		1989	
	NO.	RATIO*	NO.	RATIO*	NO.	RATIO*	NO.	RATIO*	NO.	RATIO*
BARBOUR	1	5.2	4	18.6	4	24.0	2	10.6	2	9.3
BERKELEY	5	6.6	4	5.1	4	4.9	1	1.2	10	10.9
BOONE	5	14.6	3	8.0	3	9.7	2	6.3	4	15.2
BRAXTON	1	4.7	4	22.2	1	5.1	1	5.5	0	0.0
BROOKE	4	13.6	1	4.0	1	3.7	2	8.2	3	12.3
CABELL	14	12.6	7	54.3	7	6.2	6	5.3	7	6.0
CALHOUN	1	8.0	2	15.5	0	0.0	1	9.7	0	0.0
CLAY	2	11.5	4	21.2	2	13.1	0	0.0	0	0.0
DODDRIDGE	1	12.3	0	0.0	0	0.0	1	19.6	0	0.0
FAYETTE	6	8.7	6	9.9	5	8.5	3	5.6	7	12.9
GILMER	2	19.0	2	20.6	0	0.0	0	0.0	0	0.0
GRANT	0	0.0	0	0.0	1	8.3	1	8.3	1	6.9
GREENBRIER	3	7.5	4	9.5	5	12.7	3	7.5	4	9.9
HAMPSHIRE	3	14.7	0	0.0	2	9.3	0	0.0	6	24.3
HANCOCK	5	12.0	1	2.7	2	5.3	2	6.1	1	2.9
HARDY	0	0.0	0	0.0	2	18.0	0	0.0	7	43.2
HARRISON	4	4.0	7	7.1	8	8.8	8	9.7	9	11.2
JACKSON	4	12.6	1	2.9	5	15.9	0	0.0	4	12.4
JEFFERSON	5	10.3	3	5.9	6	11.3	6	11.3	16	28.7
KANAWHA	31	11.1	23	8.5	15	5.5	20	7.8	15	5.7
LEWIS	4	16.6	3	12.9	1	4.8	2	9.7	4	19.9
LINCOLN	5	16.9	2	6.9	3	10.1	1	3.6	3	10.7
LOGAN	3	4.8	4	6.9	3	5.8	6	12.3	7	12.5
MCDOWELL	9	14.0	2	3.2	5	8.7	10	19.1	6	11.3
MARION	8	11.1	5	7.7	3	4.3	3	4.6	3	4.5
MARSHALL	3	6.3	4	8.5	1	2.4	3	6.4	7	15.6
MASON	2	5.8	1	3.5	0	0.0	3	9.6	2	7.6
MERCER	4	4.6	10	12.6	7	9.0	5	6.6	9	11.5
MINERAL	2	5.6	4	13.2	5	14.8	1	3.1	1	3.1
MINGO	3	5.2	10	18.3	2	4.1	8	17.1	5	10.0
MONONGALIA	9	9.6	4	4.5	6	6.6	5	5.8	6	7.1
MONROE	0	0.0	2	12.9	2	12.8	0	0.0	0	0.0
MORGAN	0	0.0	2	18.0	1	8.2	1	6.9	0	0.0
NICHOLAS	4	10.8	3	7.9	3	8.3	1	3.1	2	6.2
OHIO	5	7.2	3	4.5	10	15.2	2	3.0	2	3.3
PENDLETON	0	0.0	3	27.5	0	0.0	2	17.5	2	19.6
PLEASANTS	3	33.7	1	12.8	0	0.0	0	0.0	1	13.2
POCAHONTAS	2	16.4	1	10.0	1	8.5	3	28.6	0	0.0
PRESTON	2	4.7	2	5.1	2	5.6	1	2.6	3	8.6
PUTNAM	2	3.4	4	6.9	1	1.8	2	3.9	1	1.8
RALEIGH	10	9.4	4	4.4	11	12.7	8	9.4	12	14.8
RANDOLPH	3	7.5	2	5.7	9	23.9	4	11.7	4	10.8
RITCHIE	2	14.2	0	0.0	0	0.0	1	9.1	2	18.3
ROANE	1	5.1	2	10.5	0	0.0	2	10.6	1	5.2
SUMMERS	0	0.0	3	20.1	2	14.0	0	0.0	1	7.2
TAYLOR	1	4.4	2	10.4	1	5.4	2	9.8	1	5.1
TUCKER	1	9.7	0	0.0	0	0.0	1	15.9	1	11.6
TYLER	0	0.0	1	6.8	1	9.1	1	9.8	1	7.7
UPSHUR	3	8.6	1	2.9	0	0.0	3	10.8	3	11.5
WAYNE	2	3.8	3	5.7	2	4.0	0	0.0	2	3.9
WEBSTER	0	0.0	2	14.1	2	13.0	2	15.9	0	0.0
WETZEL	6	22.1	2	6.7	3	12.5	3	11.7	4	16.2
WIRT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
WOOD	9	7.9	5	4.4	6	5.3	2	1.8	8	7.1
WYOMING	3	7.5	1	2.6	6	17.5	4	11.8	2	5.4
TOTAL	208	8.6	174	7.5	172	7.7	151	6.9	202	9.2

* FETAL DEATH RATIO = (FETAL DEATHS/LIVE BIRTHS) X 1,000 IN EACH RESPECTIVE COUNTY.

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1989
Table 34

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
001-999	TOTAL DEATHS, ALL CAUSES	19,525	10.4
001-136	INFECTIOUS AND PARASITIC DISEASES	261	13.9
001-009	INTESTINAL INFECTIOUS DISEASES	1	0.1
003	OTHER SALMONELLA INFECTIONS	1	0.1
010-018	TUBERCULOSIS	12	0.6
011	PULMONARY TUBERCULOSIS	12	0.6
020-027	ZOONOTIC BACTERIAL DISEASES	1	0.1
027	OTHER ZOONOTIC BACTERIAL DISEASES	1	0.1
030-041	OTHER BACTERIAL DISEASES	175	9.3
036	MENINGOCOCCAL INFECTION	1	0.1
038	SEPTICEMIA	169	9.0
040	OTHER BACTERIAL DISEASES	1	0.1
041	BACTERIAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	4	0.2
042	HUMAN IMMUNODEFICIENCY VIRUS INFECTION WITH SPECIFIED CONDITIONS	28	1.5
043	HUMAN IMMUNODEFICIENCY VIRUS INFECTION CAUSING OTHER SPECIFIED CONDITIONS	1	0.1
044	OTHER HUMAN IMMUNODEFICIENCY VIRUS INFECTION	2	0.1
045-049	POLIOMYELITIS AND OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	6	0.3
046	SLOW VIRUS INFECTION OF CENTRAL NERVOUS SYSTEM	1	0.1
047	MENINGITIS DUE TO ENTEROVIRUS	1	0.1
049	OTHER NON-ARTHROPOD-BORNE VIRAL DISEASES OF CENTRAL NERVOUS SYSTEM	4	0.2
070-079	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	14	0.7
070	VIRAL HEPATITIS	11	0.6
078	OTHER DISEASES DUE TO VIRUSES AND CHLAMYDIAE	1	0.1
079	VIRAL INFECTION IN CONDITIONS CLASSIFIED ELSEWHERE AND OF UNSPECIFIED SITE	2	0.1
110-118	MYCOSES	12	0.6
111	DERMATOMYCOSIS, OTHER AND UNSPECIFIED	1	0.1
112	CANDIDIASIS	2	0.1
115	HISTOPLASMOSIS	1	0.1
116	BLASTOMYCOTIC INFECTION	2	0.1
117	OTHER MYCOSES	6	0.3
120-129	HELMINTHIASES	1	0.1
127	OTHER INTESTINAL HELMINTHIASES	1	0.1
130-136	OTHER INFECTIOUS AND PARASITIC DISEASES	8	0.4
135	SARCOIDOSIS	2	0.1
136	OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES	6	0.3
137-139	LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES	4	0.2
137	LATE EFFECTS OF TUBERCULOSIS	2	0.1
138	LATE EFFECTS OF ACUTE POLIOMYELITIS	1	0.1
139	LATE EFFECTS OF OTHER INFECTIOUS AND PARASITIC DISEASES	1	0.1
140-239	NEOPLASMS	4,446	236.9
140-208	MALIGNANT NEOPLASMS	4,400	234.4
140-149	MALIGNANT NEOPLASM OF LIP, ORAL CAVITY, AND PHARYNX	66	3.5
140	MALIGNANT NEOPLASM OF LIP	1	0.1
141	MALIGNANT NEOPLASM OF TONGUE	16	0.9
142	MALIGNANT NEOPLASM OF MAJOR SALIVARY GLANDS	5	0.3
143	MALIGNANT NEOPLASM OF GUM	2	0.1
144	MALIGNANT NEOPLASM OF FLOOR OF MOUTH	3	0.2
145	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF MOUTH	12	0.6
146	MALIGNANT NEOPLASM OF OROPHARYNX	8	0.4
147	MALIGNANT NEOPLASM OF NASOPHARYNX	6	0.3
148	MALIGNANT NEOPLASM OF HYPOPHARYNX	3	0.2
149	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	10	0.5
150-159	MALIGNANT NEOPLASM OF DIGESTIVE ORGANS AND PERITONEUM	985	52.5
150	MALIGNANT NEOPLASM OF ESOPHAGUS	77	4.1

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
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Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
151	MALIGNANT NEOPLASM OF STOMACH	101	5.4
152	MALIGNANT NEOPLASM OF SMALL INTESTINE, INCLUDING DUODENUM	9	0.5
153	MALIGNANT NEOPLASM OF COLON	415	22.1
154	MALIGNANT NEOPLASM OF RECTUM, RECTOSIGMOID JUNCTION, AND ANUS	62	3.3
155	MALIGNANT NEOPLASM OF LIVER AND INTRAHEPATIC BILE DUCTS	62	3.3
156	MALIGNANT NEOPLASM OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	44	2.3
157	MALIGNANT NEOPLASM OF PANCREAS	192	10.2
158	MALIGNANT NEOPLASM OF RETROPERITONEUM AND PERITONEUM	4	0.2
159	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE DIGESTIVE ORGANS AND PERITONEUM	19	1.0
160-165	MALIGNANT NEOPLASM OF RESPIRATORY AND INTRATHORACIC ORGANS	1,436	76.5
160	MALIGNANT NEOPLASM OF NASAL CAVITIES, MIDDLE EAR, AND ACCESSORY SINUSES	7	0.4
161	MALIGNANT NEOPLASM OF LARYNX	33	1.8
162	MALIGNANT NEOPLASM OF TRACHEA, BRONCHUS, AND LUNG	1,389	74.0
163	MALIGNANT NEOPLASM OF PLEURA	4	0.2
164	MALIGNANT NEOPLASM OF THYMUS, HEART, AND MEDIASTINUM	2	0.1
165	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES WITHIN THE RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1	0.1
170-175	MALIGNANT NEOPLASM OF BONE, CONNECTIVE TISSUE, SKIN, AND BREAST	436	23.2
170	MALIGNANT NEOPLASM OF BONE AND ARTICULAR CARTILAGE	3	0.2
171	MALIGNANT NEOPLASM OF CONNECTIVE AND OTHER SOFT TISSUE	25	1.3
172	MALIGNANT MELANOMA OF SKIN	67	3.6
173	OTHER MALIGNANT NEOPLASM OF SKIN	18	1.0
174	MALIGNANT NEOPLASM OF FEMALE BREAST	321	17.1
175	MALIGNANT NEOPLASM OF MALE BREAST	2	0.1
179-189	MALIGNANT NEOPLASM OF GENITOURINARY ORGANS	582	31.0
179	MALIGNANT NEOPLASM OF UTERUS, PART UNSPECIFIED	22	1.2
180	MALIGNANT NEOPLASM OF CERVIX UTERI	45	2.4
182	MALIGNANT NEOPLASM OF BODY OF UTERUS	17	0.9
183	MALIGNANT NEOPLASM OF OVARY AND OTHER UTERINE ADNEXA	103	5.5
184	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	7	0.4
185	MALIGNANT NEOPLASM OF PROSTATE	204	10.9
186	MALIGNANT NEOPLASM OF TESTIS	5	0.3
187	MALIGNANT NEOPLASM OF PENIS AND OTHER MALE GENITAL ORGANS	1	0.1
188	MALIGNANT NEOPLASM OF BLADDER	87	4.6
189	MALIGNANT NEOPLASM OF KIDNEY AND OTHER AND UNSPECIFIED URINARY ORGANS	91	4.8
190-199	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED SITES	488	26.0
190	MALIGNANT NEOPLASM OF EYE	1	0.1
191	MALIGNANT NEOPLASM OF BRAIN	86	4.6
192	MALIGNANT NEOPLASM OF OTHER AND UNSPECIFIED PARTS OF NERVOUS SYSTEM	3	0.2
193	MALIGNANT NEOPLASM OF THYROID GLAND	12	0.6
194	MALIGNANT NEOPLASM OF OTHER ENDOCRINE GLANDS AND RELATED STRUCTURES	6	0.3
195	MALIGNANT NEOPLASM OF OTHER AND ILL-DEFINED SITES	18	1.0
196	SECONDARY AND UNSPECIFIED MALIGNANT NEOPLASM OF LYMPH NODES	1	0.1
199	MALIGNANT NEOPLASM WITHOUT SPECIFICATION OF SITE	361	19.2
200-208	MALIGNANT NEOPLASM OF LYMPHATIC AND HEMATOPOIETIC TISSUE	407	21.7
200	LYMPHOSARCOMA AND RETICULOSARCOMA	15	0.8
201	HODGKIN'S DISEASE	7	0.4
202	OTHER MALIGNANT NEOPLASM OF LYMPOID AND HISTIOCYTIC TISSUE	149	7.9
203	MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	79	4.2
204	LYMPHOID LEUKEMIA	48	2.6
205	MYELOID LEUKEMIA	63	3.4
206	MONOCYTIC LEUKEMIA	2	0.1
207	OTHER SPECIFIED LEUKEMIA	1	0.1
208	LEUKEMIA OF UNSPECIFIED CELL TYPE	43	2.3

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Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
210-229,	BENIGN AND UNSPECIFIED NEOPLASMS AND NEOPLASMS OF UNCERTAIN BEHAVIOR	45	2.4
235-239		5	0.3
210-229	BENIGN NEOPLASMS	1	0.1
223	BENIGN NEOPLASM OF KIDNEY AND OTHER URINARY ORGANS	4	0.2
225	BENIGN NEOPLASM OF BRAIN AND OTHER PARTS OF NERVOUS SYSTEM	1	0.1
230-234	CARCINOMA IN SITU	1	0.1
233	CARCINOMA IN SITU OF BREAST AND GENITOURINARY SYSTEM	11	0.6
235-238	NEOPLASMS OF UNCERTAIN BEHAVIOR	1	0.1
237	NEOPLASM OF UNCERTAIN BEHAVIOR OF ENDOCRINE GLANDS AND NERVOUS SYSTEM	10	0.5
238	NEOPLASM OF UNCERTAIN BEHAVIOR OF OTHER AND UNSPECIFIED SITES AND TISSUES	29	1.5
239	NEOPLASMS OF UNSPECIFIED NATURE	29	1.5
239	NEOPLASM OF UNSPECIFIED NATURE	649	34.6
240-279	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES AND IMMUNITY DISORDERS	4	0.2
240-246	DISORDERS OF THYROID GLAND	4	0.2
244	ACQUIRED HYPOTHYROIDISM	510	27.2
250-259	DISEASES OF OTHER ENDOCRINE GLANDS	503	26.8
250	DIABETES MELLITUS	2	0.1
251	OTHER DISORDERS OF PANCREATIC INTERNAL SECRETION	4	0.2
253	DISORDERS OF THE PITUITARY GLAND AND ITS HYPOTHALAMIC CONTROL	1	0.1
255	*DISORDERS OF ADRENAL GLANDS	32	1.7
260-269	NUTRITIONAL DEFICIENCIES	5	0.3
261	NUTRITIONAL MARASMUS	27	1.4
263	OTHER AND UNSPECIFIED PROTEIN-CALORIE MALNUTRITION	103	5.5
270-279	OTHER METABOLIC DISORDERS AND IMMUNITY DISORDERS	1	0.1
271	DISORDERS OF CARBOHYDRATE TRANSPORT AND METABOLISM	17	0.9
272	DISORDERS OF LIPOID METABOLISM	6	0.3
273	DISORDERS OF PLASMA PROTEIN METABOLISM	4	0.2
275	DISORDERS OF MINERAL METABOLISM	40	2.1
276	DISORDERS OF FLUID, ELECTROLYTE, AND ACID-BASE BALANCE	15	0.8
277	OTHER AND UNSPECIFIED DISORDERS OF METABOLISM	15	0.8
278	OBESITY AND OTHER HYPERALIMENTATION	5	0.3
279	DISORDERS INVOLVING THE IMMUNE MECHANISM	71	3.8
280-289	DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	1	0.1
280	IRON DEFICIENCY ANEMIAS	1	0.1
281	OTHER DEFICIENCY ANEMIAS	2	0.1
282	HEREDITARY HEMOLYTIC ANEMIAS	1	0.1
283	ACQUIRED HEMOLYTIC ANEMIAS	9	0.5
284	APLASTIC ANEMIA	20	1.1
285	OTHER AND UNSPECIFIED ANEMIAS	13	0.7
286	COAGULATION DEFECTS	5	0.3
287	PURPURA AND OTHER HEMORRHAGIC CONDITIONS	3	0.2
288	DISEASES OF WHITE BLOOD CELLS	16	0.9
289	OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	229	12.2
290-319	MENTAL DISORDERS	52	2.8
290-294	ORGANIC PSYCHOTIC CONDITIONS	48	2.6
290	SENILE AND PRESENILE ORGANIC PSYCHOTIC CONDITIONS	4	0.2
291	ALCOHOLIC PSYCHOSES	41	2.2
295-299	OTHER PSYCHOSES	2	0.1
295	SCHIZOPHRENIC PSYCHOSES	39	2.1
298	OTHER NONORGANIC PSYCHOSES	130	6.9
300-316	NEUROTIC DISORDERS, PERSONALITY DISORDERS, AND OTHER NONPSYCHOTIC MENTAL DISORDERS	2	0.1
300	NEUROTIC DISORDERS	38	2.0
303	ALCOHOL DEPENDENCE SYNDROME	10	0.5
305	NONDEPENDENT ABUSE OF DRUGS		

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
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Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
307	SPECIAL SYMPTOMS OR SYNDROMES NOT ELSEWHERE CLASSIFIED	2	0.1
310	SPECIFIC NONPSYCHOTIC MENTAL DISORDERS FOLLOWING ORGANIC BRAIN DAMAGE	76	4.0
311	DEPRESSIVE DISORDER, NOT ELSEWHERE CLASSIFIED	2	0.1
317-319	MENTAL RETARDATION	6	0.3
319	UNSPECIFIED MENTAL RETARDATION	6	0.3
320-389	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	284	15.1
320-326	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM	7	0.4
320	BACTERIAL MENINGITIS	3	0.2
322	MENINGITIS OF UNSPECIFIED CAUSE	1	0.1
323	ENCEPHALITIS, MYELITIS, AND ENCEPHALOMYELITIS	2	0.1
324	INTRACRANIAL AND INTRASPINAL ABSCESS	1	0.1
330-337	HEREDITARY AND DEGENERATIVE DISEASES OF THE CENTRAL NERVOUS SYSTEM	194	10.3
330	CEREBRAL DEGENERATIONS USUALLY MANIFEST IN CHILDHOOD	2	0.1
331	OTHER CEREBRAL DEGENERATIONS	119	5.9
332	PARKINSON'S DISEASE	55	2.9
333	OTHER EXTRAPYRAMIDAL DISEASE AND ABNORMAL MOVEMENT DISORDERS	4	0.2
334	SPINOCEREBELLAR DISEASE	3	0.2
335	ANTERIOR HORN CELL DISEASE	20	1.1
340-349	OTHER DISORDERS OF THE CENTRAL NERVOUS SYSTEM	68	3.6
340	MULTIPLE SCLEROSIS	13	0.7
342	HEMIPLEGIA	3	0.2
343	INFANTILE CEREBRAL PALSY	8	0.4
344	OTHER PARALYTIC SYNDROMES	4	0.2
345	EPILEPSY	12	0.6
348	OTHER CONDITIONS OF BRAIN	24	1.3
349	OTHER AND UNSPECIFIED DISORDERS OF THE NERVOUS SYSTEM	4	0.2
350-359	DISORDERS OF THE PERIPHERAL NERVOUS SYSTEM	14	0.7
356	HEREDITARY AND IDIOPATHIC PERIPHERAL NEUROPATHY	1	0.1
357	INFLAMMATORY AND TOXIC NEUROPATHY	1	0.1
358	MYONEURAL DISORDERS	4	0.2
359	MUSCULAR DYSTROPHIES AND OTHER MYOPATHIES	8	0.4
380-389	DISEASES OF THE EAR AND MASTOID PROCESS	1	0.1
389	DEAFNESS	1	0.1
390-459	DISEASES OF THE CIRCULATORY SYSTEM	8,997	479.3
390-448	MAJOR CARDIOVASCULAR DISEASE	8,957	477.2
390-398, 402, 404-429	DISEASES OF THE HEART	7,306	389.2
390-392	ACUTE RHEUMATIC FEVER	2	0.1
391	RHEUMATIC FEVER WITH HEART INVOLVEMENT	2	0.1
393-398	CHRONIC RHEUMATIC HEART DISEASE	54	2.9
394	DISEASES OF MITRAL VALVE	26	1.4
395	DISEASES OF AORTIC VALVE	2	0.1
396	DISEASES OF MITRAL AND AORTIC VALVES	15	0.8
398	OTHER RHEUMATIC HEART DISEASE	11	0.6
401-405	HYPERTENSIVE DISEASE	306	16.3
401	ESSENTIAL HYPERTENSION	44	2.3
402	HYPERTENSIVE HEART DISEASE	176	9.4
403	HYPERTENSIVE RENAL DISEASE	45	2.4
404	HYPERTENSIVE HEART AND RENAL DISEASE	41	2.2
410-414	ISCHEMIC HEART DISEASE	4,747	252.9
410	ACUTE MYOCARDIAL INFARCTION	2,506	133.5
411	OTHER ACUTE AND SUBACUTE FORM OF ISCHEMIC HEART DISEASE	18	1.0
412	OLD MYOCARDIAL INFARCTION	17	0.9

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1989
Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
413	ANGINA PECTORIS	10	0.5
414	OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	2,196	117.0
415-417	DISEASES OF PULMONARY CIRCULATION	120	6.4
415	ACUTE PULMONARY HEART DISEASE	101	5.4
416	CHRONIC PULMONARY HEART DISEASE	19	1.0
420-429	OTHER FORMS OF HEART DISEASE	2,166	115.4
421	ACUTE AND SUBACUTE ENDOCARDITIS	5	0.3
422	ACUTE MYOCARDITIS	3	0.2
423	OTHER DISEASES OF PERICARDIUM	1	0.1
424	OTHER DISEASES OF ENDOCARDIUM	100	5.3
425	CARDIOMYOPATHY	157	8.4
426	CONDUCTION DISORDERS	7	0.4
427	CARDIAC DYSRHYTHMIAS	630	33.6
428	HEART FAILURE	407	21.7
429	ILL-DEFINED DESCRIPTIONS AND COMPLICATIONS OF HEART DISEASE	856	45.6
430-438	CEREBROVASCULAR DISEASE	1,187	63.2
430	SUBARACHNOID HEMORRHAGE	56	3.0
431	INTRACEREBRAL HEMORRHAGE	137	7.3
432	OTHER AND UNSPECIFIED INTRACRANIAL HEMORRHAGE	17	0.9
433	OCCLUSION AND STENOSIS OF PRECEREBRAL ARTERIES	10	0.5
434	OCCLUSION OF CEREBRAL ARTERIES	156	8.3
435	TRANSIENT CEREBRAL ISCHEMIA	2	0.1
436	ACUTE BUT ILL-DEFINED CEREBROVASCULAR DISEASE	723	38.5
437	OTHER AND ILL-DEFINED CEREBROVASCULAR DISEASE	63	3.4
438	LATE EFFECTS OF CEREBROVASCULAR DISEASE	23	1.2
440-448	DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	375	20.0
440	ATHEROSCLEROSIS	164	8.7
441	AORTIC ANEURYSM	137	7.3
442	OTHER ANEURYSM	6	0.3
443	OTHER PERIPHERAL VASCULAR DISEASE	38	2.0
444	ARTERIAL EMBOLISM AND THROMBOSIS	20	1.1
446	POLYARTERITIS NODOSA AND ALLIED CONDITIONS	4	0.2
447	OTHER DISORDERS OF ARTERIES AND ARTERIOLES	6	0.3
451-459	DISEASES OF VEINS AND LYMPHATICS AND OTHER DISEASES OF CIRCULATORY SYSTEM	40	2.1
451	PHLEBITIS AND THROMBOPHLEBITIS	5	0.3
453	OTHER VENOUS EMBOLISM AND THROMBOSIS	5	0.3
454	VARICOSE VEINS OF LOWER EXTREMITIES	1	0.1
456	VARICOSE VEINS OF OTHER SITES	3	0.2
458	HYPOTENSION	9	0.5
459	OTHER DISORDERS OF CIRCULATORY SYSTEM	17	0.9
460-519	DISEASES OF THE RESPIRATORY SYSTEM	1,820	97.0
460-466	ACUTE RESPIRATORY INFECTIONS	11	0.6
465	ACUTE UPPER RESPIRATORY INFECTIONS OF MULTIPLE OR UNSPECIFIED SITES	3	0.2
466	ACUTE BRONCHITIS AND BRONCHIOLITIS	8	0.4
470-478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	0.1
478	OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	0.1
480-487	PNEUMONIA AND INFLUENZA	631	33.6
480	VIRAL PNEUMONIA	3	0.2
481	PNEUMOCOCCAL PNEUMONIA	14	0.7
482	OTHER BACTERIAL PNEUMONIA	27	1.4
485	BRONCHOPNEUMONIA, ORGANISM UNSPECIFIED	47	2.5
486	PNEUMONIA, ORGANISM UNSPECIFIED	526	28.0
487	INFLUENZA	14	0.7

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
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Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
490-496	CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	888	47.3
490	BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	3	0.2
491	CHRONIC BRONCHITIS	28	1.5
492	EMPHYSEMA	121	6.4
493	ASTHMA	29	1.5
494	BRONCHIECTASIS	7	0.4
496	CHRONIC AIRWAYS OBSTRUCTION, NOT ELSEWHERE CLASSIFIED	700	37.3
500-508	PNEUMOCONIOSES AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	160	8.5
500	COAL WORKERS' PNEUMOCONIOSIS	93	5.0
501	ASBESTOSIS	1	0.1
502	PNEUMOCONIOSIS DUE TO OTHER SILICA OR SILICATES	1	0.1
505	PNEUMOCONIOSIS, UNSPECIFIED	6	0.3
507	PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	59	3.1
510-519	OTHER DISEASES OF RESPIRATORY SYSTEM	129	6.9
510	EMPYEMA	2	0.1
511	PLEURISY	12	0.6
512	PNEUMOTHORAX	8	0.4
513	ABSCESS OF LUNG AND MEDIASTINUM	1	0.1
514	PULMONARY CONGESTION AND HYPOSTASIS	8	0.4
515	POSTINFLAMMATORY PULMONARY FIBROSIS	31	1.7
516	OTHER ALVEOLAR AND PARIETOALVEOLAR PNEUMOPATHY	2	0.1
518	OTHER DISEASES OF LUNG	62	3.3
519	OTHER DISEASES OF RESPIRATORY SYSTEM	3	0.2
520-579	DISEASES OF THE DIGESTIVE SYSTEM	628	33.5
520-529	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS	1	0.1
521	DISEASES OF HARD TISSUES OF TEETH	1	0.1
530-537	DISEASES OF ESOPHAGUS, STOMACH, AND DUODENUM	66	3.5
530	DISEASES OF ESOPHAGUS	11	0.6
531	GASTRIC ULCER	14	0.7
532	DUODENAL ULCER	15	0.8
533	PEPTIC ULCER, SITE UNSPECIFIED	19	1.0
535	GASTRITIS AND DUODENITIS	3	0.2
537	OTHER DISORDERS OF STOMACH AND DUODENUM	4	0.2
540-543	APPENDICITIS	1	0.1
540	ACUTE APPENDICITIS	1	0.1
550-553	HERNIA OF ABDOMINAL CAVITY	11	0.6
550	INGUINAL HERNIA	3	0.2
552	OTHER HERNIA OF ABDOMINAL CAVITY WITH OBSTRUCTION, WITHOUT MENTION OF GANGRENE	2	0.1
553	OTHER HERNIA OF ABDOMINAL CAVITY WITHOUT MENTION OF OBSTRUCTION OR GANGRENE	6	0.3
555-558	NONINFECTIOUS ENTERITIS AND COLITIS	72	3.8
555	REGIONAL ENTERIITS	5	0.3
556	IDIOPATHIC PROCTOCOLITIS	5	0.3
557	VASCULAR INSUFFICIENCY OF INTESTINE	52	2.8
558	OTHER NONINFECTIVE GASTROENTERITIS AND COLITIS	10	0.5
560-569	OTHER DISEASES OF INTESTINES AND PERITONEUM	101	5.4
560	INTESTINAL OBSTRUCTION WITHOUT MENTION OF HERNIA	33	1.8
562	DIVERTICULA OF INTESTINE	32	1.7
564	FUNCTIONAL DIGESTIVE DISORDERS, NOT ELSEWHERE CLASSIFIED	4	0.2
565	ANAL FISSURE AND FISTULA	1	0.1
566	ABCESS OF ANAL AND RECTAL REGIONS	2	0.1
567	PERITONITIS	11	0.6
568	OTHER DISORDERS OF PERITONEUM	2	0.1
569	OTHER DISORDERS OF INTESTINE	16	0.9

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1989
Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
570-579	OTHER DISEASES OF DIGESTIVE SYSTEM	576	20.0
570	ACUTE AND SUBACUTE NECROSIS OF LIVER	1	0.1
571	CHRONIC LIVER DISEASE AND CIRRHOSIS	185	9.9
572	LIVER ABSCESS AND SEQUELAE OF CHRONIC LIVER DISEASE	40	2.1
573	OTHER DISORDERS OF LIVER	13	0.7
574	CHOLELITHIASIS	18	1.0
575	OTHER DISORDERS OF GALLBLADDER	16	0.9
576	OTHER DISORDERS OF BILIARY TRACT	7	0.4
577	DISEASES OF PANCREAS	22	1.2
578	GASTROINTESTINAL HEMORRHAGE	72	3.8
579	INTESTINAL MALABSORPTION	2	0.1
580-589	NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	227	12.1
581	NEPHROTIC SYNDROME	4	0.2
582	CHRONIC GLOMERULONEPHRITIS	4	0.2
583	NEPHRITIS AND NEPHROPATHY, NOT SPECIFIED AS ACUTE OR CHRONIC	1	0.1
584	ACUTE RENAL FAILURE	41	2.2
585	CHRONIC RENAL FAILURE	57	3.0
586	RENAL FAILURE, UNSPECIFIED	120	6.4
590-599	OTHER DISEASES OF URINARY SYSTEM	152	8.1
590	INFECTIONS OF KIDNEY	14	0.7
591	HYDRONEPHROSIS	3	0.2
592	CALCULUS OF KIDNEY AND URETER	2	0.1
593	OTHER DISORDERS OF KIDNEY AND URETER	34	1.8
595	CYSTITIS	1	0.1
596	OTHER DISORDERS OF BLADDER	1	0.1
597	URETHRITIS, NOT SEXUALLY TRANSMITTED, AND URETHRAL SYNDROME	1	0.1
599	OTHER DISORDERS OF URETHRA AND URINARY TRACT	96	5.1
600-608	DISEASES OF MALE GENITAL ORGANS	3	0.2
600	HYPERPLASIA OF PROSTATE	1	0.1
602	OTHER DISORDERS OF PROSTATE	1	0.1
604	ORCHITIS AND EPIDIDYMITIS	1	0.1
614-616	INFLAMMATORY DISEASE OF FEMALE PELVIC ORGANS	2	0.1
614	INFLAMMATORY DISEASE OF OVARY, FALLOPIAN TUBE, PELVIC CELLULAR TISSUE, AND PERITONEUM	1	0.1
616	INFLAMMATORY DISEASE OF CERVIX, VAGINA, AND VULVA	1	0.1
617-629	OTHER DISORDERS OF FEMALE GENITAL TRACT	1	0.1
620	NONINFLAMMATORY DISORDERS OF OVARY, FALLOPIAN TUBE AND BROAD LIGAMENT	1	0.1
630-676*	COMPLICATIONS OF PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	2	9.1
640-648	COMPLICATIONS MAINLY RELATED TO PREGNANCY	1	0.1
642	HYPERTENSION COMPLICATING PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM	1	0.1
670-676	COMPLICATIONS OF THE PUERPERIUM	1	0.1
671	VENOUS COMPLICATIONS IN PREGNANCY AND THE PUERPERIUM	1	0.1
680-709	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	25	1.3
680-686	INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	5	0.3
682	OTHER CELLULITIS AND ABSCESS	4	0.2
684	IMPETIGO	1	0.1
690-698	OTHER INFLAMMATORY CONDITIONS OF SKIN AND SUBCUTANEOUS TISSUE	3	0.2
694	BULLOUS DERMATOSES	1	0.1
695	ERYTHEMATOUS CONDITIONS	2	0.1
700-709	OTHER DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	17	0.9
707	CHRONIC ULCER OF SKIN	17	0.9
710-719	ARTHROPATHIES AND RELATED DISORDERS	37	2.0
710	DIFFUSE DISEASES OF CONNECTIVE TISSUE	17	0.9
714	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES	15	0.8

* MATERNAL DEATH RATES ARE PER 100,000 LIVE BIRTHS.

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1989
Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
715	OSTEOARTHROSIS AND ALLIED DISORDERS	3	0.2
716	OTHER AND UNSPECIFIED ARTHROPATHIES	1	0.1
718	OTHER DERANGEMENT OF JOINT	3	0.2
725-729	RHEUMATISM, EXCLUDING THE BACK	1	0.1
728	DISORDERS OF MUSCLE, LIGAMENT, AND FASCIA	2	0.1
729	OTHER DISORDERS OF SOFT TISSUES	14	0.7
730-739	OSTEOPATHIES, CHONDROPATHIES, AND ACQUIRED MUSCULOSKELETAL DEFORMITIES	3	0.2
730	OSTEOMYELITIS, PERIOSTITIS, AND OTHER INFECTIONS INVOLVING BONE	1	0.1
731	OSTEITIS DEFORMANS AND OSTEOPATHIES ASSOCIATED WITH OTHER DISORDERS CLASSIFIED ELSEWHERE	6	0.3
733	OTHER DISORDERS OF BONE AND CARTILAGE	4	0.2
737	CURVATURE OF SPINE	104	5.5
740-759	CONGENITAL ANOMALIES	104	5.5
740-759	CONGENITAL ANOMALIES	3	0.2
740	ANENCEPHALUS AND SIMILAR ANOMALIES	7	0.4
742	OTHER CONGENITAL ANOMALIES OF NERVOUS SYSTEM	17	0.9
745	BULBUS CORDIS ANOMALIES AND ANOMALIES OF CARDIAC SEPTAL CLOSURE	23	1.2
746	OTHER CONGENITAL ANOMALIES OF HEART	11	0.6
747	OTHER CONGENITAL ANOMALIES OF CIRCULATORY SYSTEM	7	0.4
748	CONGENITAL ANOMALIES OF RESPIRATORY SYSTEM	2	0.1
751	OTHER CONGENITAL ANOMALIES OF DIGESTIVE SYSTEM	11	0.6
753	CONGENITAL ANOMALIES OF URINARY SYSTEM	5	0.3
756	OTHER CONGENITAL MUSCULOSKELETAL ANOMALIES	9	0.5
758	CHROMOSOMAL ANOMALIES	9	0.5
759	OTHER AND UNSPECIFIED CONGENITAL ANOMALIES	84	4.5
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	4.5
760-779	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	0.1
760	FETUS OR NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	4	0.2
761	FETUS OR NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	6	0.3
762	FETUS OR NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD, AND MEMBRANES	1	0.1
763	FETUS OR NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	22	1.2
765	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	2	0.1
767	BIRTH TRAUMA	1	0.1
768	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	17	0.9
769	RESPIRATORY DISTRESS SYNDROME	12	0.6
770	OTHER RESPIRATORY CONDITIONS OF FETUS AND NEWBORN	5	0.2
771	INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	3	0.2
772	FETAL AND NEONATAL HEMORRHAGE	3	0.2
777	PERINATAL DISORDERS OF DIGESTIVE SYSTEM	2	0.1
778	CONDITIONS INVOLVING THE INTEGUMENT AND TEMPERATURE REGULATION OF FETUS AND NEWBORN	6	0.3
779	OTHER AND ILL-DEFINED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	164	8.7
780-799	SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	23	1.2
780-789	SYMPTOMS	6	0.3
780	GENERAL SYMPTOMS	16	0.9
785	SYMPTOMS INVOLVING CARDIOVASCULAR SYSTEM	1	0.1
786	SYMPTOMS INVOLVING RESPIRATORY SYSTEM AND OTHER CHEST SYMPTOMS	141	7.5
797-799	ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	6	0.3
797	SENILITY WITHOUT MENTION OF PSYCHOSIS	66	3.5
798	SUDDEN DEATH, CAUSE UNKNOWN	69	3.7
799	OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORBIDITY AND MORTALITY	1,318	70.2
E800-999*	EXTERNAL CAUSES OF INJURY AND POISONING	934	49.8
E800-949	ACCIDENTS, ALL FORMS	5	0.3
E800-807	RAILWAY ACCIDENTS	5	0.3
E805	HIT BY ROLLING STOCK		

* CAUSES 800 THROUGH 999 HAVE BEEN CODED USING E (EXTERNAL) ICDA 9 CODES.

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1989
Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
		477	25.4
E810-825	MOTOR VEHICLE ACCIDENTS	466	24.8
E810-819	MOTOR VEHICLE TRAFFIC ACCIDENTS	1	0.1
E810	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH TRAIN	132	7.0
E812	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH ANOTHER MOTOR VEHICLE	1	0.1
E813	OTHER MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH OTHER VEHICLE	38	2.0
E814	MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION WITH PEDESTRIAN	49	2.6
E815	OTHER MOTOR VEHICLE TRAFFIC ACCIDENT INVOLVING COLLISION ON THE HIGHWAY	89	4.7
E816	MOTOR VEHICLE TRAFFIC ACCIDENT DUE TO LOSS OF CONTROL, WITHOUT COLLISION ON THE HIGHWAY	22	1.2
E818	OTHER NONCOLLISION MOTOR VEHICLE TRAFFIC ACCIDENT	134	7.1
E819	MOTOR VEHICLE TRAFFIC ACCIDENT OF UNSPECIFIED NATURE	11	0.6
E820-825	MOTOR VEHICLE NONTRAFFIC ACCIDENTS	4	0.2
E821	NONTRAFFIC ACCIDENT INVOLVING OTHER OFF-ROAD MOTOR VEHICLE	1	0.1
E822	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH MOVING OBJECT	3	0.2
E823	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT INVOLVING COLLISION WITH STATIONARY OBJECT	3	0.2
E825	OTHER MOTOR VEHICLE NONTRAFFIC ACCIDENT OF OTHER AND UNSPECIFIED NATURE	5	0.3
E830-838	WATER TRANSPORT ACCIDENTS	4	0.2
E830	ACCIDENT TO WATERCRAFT CAUSING SUBMERSION	1	0.1
E831	ACCIDENT TO WATERCRAFT CAUSING OTHER INJURY	3	0.2
E840-845	AIR AND SPACE TRANSPORT ACCIDENTS	3	0.2
E841	ACCIDENT TO POWERED AIRCRAFT, OTHER AND UNSPECIFIED	444	23.7
E850-949	NONMOTOR VEHICLE ACCIDENTS	32	1.7
E850-858	ACCIDENTAL POISONING BY DRUGS, MEDICAMENTS, AND BIOLOGICALS	8	0.4
E850	ACCIDENTAL POISONING BY ANALGESICS, ANTIPYRETICS, ANTIRHEUMATICS	1	0.1
E854	ACCIDENTAL POISONING BY OTHER PSYCHOTROPIC AGENTS	5	0.3
E855	ACCIDENTAL POISONING BY OTHER DRUGS ACTING ON CENTRAL AND AUTONOMIC NERVOUS SYSTEMS	18	1.0
E858	ACCIDENTAL POISONING BY OTHER DRUGS	15	0.8
E860-869	ACCIDENTAL POISONING BY OTHER SOLID AND LIQUID SUBSTANCES, GASES, AND VAPORS	1	0.1
E866	ACCIDENTAL POISONING BY OTHER AND UNSPECIFIED SOLID AND LIQUID SUBSTANCES	14	0.7
E868	ACCIDENTAL POISONING BY OTHER UTILITY GAS AND OTHER CARBON MONOXIDE	7	0.4
E870-876	MISADVENTURES TO PATIENTS DURING SURGICAL AND MEDICAL CARE	5	0.3
E870	ACCIDENTAL CUT, PUNCTURE, PERFORATION OR HEMORRHAGE DURING MEDICAL CARE	2	0.1
E873	FAILURE IN DOSAGE	49	2.6
E878-879	SURGICAL AND MEDICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT OR LATER COMPLICATION, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE	31	1.7
E878	SURGICAL OPERATION AND OTHER SURGICAL PROCEDURES AS THE CAUSE OF ABNORMAL REACTION OF PATIENT, OR OF LATER COMPLICATION, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF OPERATION	18	1.0
E879	OTHER PROCEDURES, WITHOUT MENTION OF MISADVENTURE AT THE TIME OF PROCEDURE, AS THE CAUSE OF ABNORMAL REACTION OF PATIENT, OR OF LATER COMPLICATION	125	6.7
E880-888	ACCIDENTAL FALLS	15	0.8
E880	FALL ON OR FROM STAIRS OR STEPS	3	0.2
E881	FALL ON OR FROM LADDERS OR SCAFFOLDING	5	0.3
E882	FALL FROM OR OUT OF BUILDING OR OTHER STRUCTURE	1	0.1
E883	FALL INTO HOLE OR OTHER OPENING IN SURFACE	13	0.7
E884	OTHER FALL FROM ONE LEVEL TO ANOTHER	5	0.3
E885	FALL ON SAME LEVEL FROM SLIPPING, TRIPPING, OR STUMBLING	14	0.7
E887	FRACTURE, CAUSE UNSPECIFIED	69	3.7
E888	OTHER AND UNSPECIFIED FALL	50	2.7
E890-899	ACCIDENTS CAUSED BY FIRE AND FLAMES	44	2.3
E890	CONFLAGRATION IN PRIVATE DWELLING	1	0.1
E892	CONFLAGRATION NOT IN BUILDING OR STRUCTURE	2	0.1
E893	ACCIDENT CAUSED BY IGNITION OF CLOTHING	1	0.1
E894	IGNITION OF HIGHLY INFLAMMABLE MATERIAL	2	0.1
E898	ACCIDENT CAUSED BY OTHER SPECIFIED FIRE AND FLAMES		

CAUSES OF RESIDENT DEATHS: NUMBER AND RATE
WEST VIRGINIA, 1989
Table 34 (cont'd)

ICDA 9 CODE NUMBER	CAUSE OF DEATH	NUMBER OF DEATHS	RATE
E900-909	ACCIDENTS DUE TO NATURAL AND ENVIRONMENTAL FACTORS	20	1.1
E900	EXCESSIVE HEAT	1	0.1
E901	EXCESSIVE COLD	11	0.6
E905	VENOMOUS ANIMALS AND PLANTS AS THE CAUSE OF POISONING AND TOXIC REACTIONS	3	0.2
E907	LIGHTNING	1	0.1
E908	CATACLYSMIC STORMS, AND FLOODS RESULTING FROM STORMS	4	0.2
E910-915	ACCIDENTS CAUSED BY SUBMERSION, SUFFOCATION, AND FOREIGN BODIES	57	3.0
E910	ACCIDENTAL DROWNING AND SUBMERSION	20	1.1
E911	INHALATION AND INGESTION OF FOOD CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	13	0.7
E912	INHALATION AND INGESTION OF OTHER OBJECT CAUSING OBSTRUCTION OF RESPIRATORY TRACT OR SUFFOCATION	19	1.0
E913	ACCIDENTAL MECHANICAL SUFFOCATION	5	0.3
E916-928	OTHER ACCIDENTS	80	4.3
E916	STRUCK ACCIDENTALLY BY FALLING OBJECT	18	1.0
E918	CAUGHT ACCIDENTALLY IN OR BETWEEN OBJECTS	1	0.1
E919	ACCIDENTS CAUSED BY MACHINERY	19	1.0
E920	ACCIDENTS CAUSED BY CUTTING AND PIERCING INSTRUMENTS OR OBJECTS	1	0.1
E922	ACCIDENT CAUSED BY FIREARM MISSILE	14	0.7
E923	ACCIDENT CAUSED BY EXPLOSIVE MATERIAL	5	0.3
E924	ACCIDENT CAUSED BY HOT SUBSTANCE OR OBJECT, CAUSTIC OR CORROSIVE MATERIAL AND STEAM	1	0.1
E925	ACCIDENT CAUSED BY ELECTRIC CURRENT	9	0.5
E928	OTHER AND UNSPECIFIED ENVIRONMENTAL AND ACCIDENTAL CAUSES	12	0.6
E929	LATE EFFECTS OF ACCIDENTAL INJURY	7	0.4
E930-949	DRUGS, MEDICAMENTS, AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE	7	0.4
E934	ANTIBIOTICS	2	0.1
E935	HORMONES AND SYNTHETIC SUBSTITUTES	1	0.1
E950-959	SUICIDE AND SELF-INFLICTED INJURY	1	0.1
E950	SUICIDE AND SELF-INFLICTED POISONING BY SOLID OR LIQUID SUBSTANCES	238	12.3
E952	SUICIDE AND SELF-INFLICTED POISONING BY GASES IN DOMESTIC USE	19	1.0
E953	SUICIDE AND SELF-INFLICTED POISONING BY OTHER GASES AND VAPORS	1	0.1
E954	SUICIDE AND SELF-INFLICTED INJURY BY HANGING, STRANGULATION, AND SUFFOCATION	12	0.6
E955	SUICIDE AND SELF-INFLICTED INJURY BY SUBMERSION (DROWNING)	18	1.0
E956	SUICIDE AND SELF-INFLICTED INJURY BY FIREARMS AND EXPLOSIVES	1	0.1
E957	SUICIDE AND SELF-INFLICTED INJURY BY CUTTING AND PIERCING INSTRUMENTS	175	9.3
E958	SUICIDE AND SELF-INFLICTED INJURY BY JUMPING FROM HIGH PLACE	2	0.1
E959	SUICIDE AND SELF-INFLICTED INJURIES BY JUMPING FROM HIGH PLACE	1	0.1
E960-969	SUICIDE AND SELF-INFLICTED INJURY BY OTHER AND UNSPECIFIED MEANS	1	0.1
E960	HOMICIDE AND INJURY PURPOSELY INFLICTED BY OTHER PERSONS	137	7.3
E961	ASSAULT BY BURNING AND SCALDING	6	0.3
E965	ASSAULT BY FIREARMS AND EXPLOSIVES	87	4.6
E966	ASSAULT BY CUTTING AND PIERCING INSTRUMENTS	22	1.2
E967	CHILD BATTERING AND OTHER MALTREATMENT	1	0.1
E968	ASSAULT BY OTHER AND UNSPECIFIED MEANS	21	1.1
E970-978	LEGAL INTERVENTION	1	0.1
E970	INJURY DUE TO LEGAL INTERVENTION BY FIREARMS	1	0.1
E980-989	INJURY UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	16	0.9
E980	POISONING BY SOLID OR LIQUID SUBSTANCES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	0.2
E982	POISONING BY OTHER GASES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	1	0.1
E984	SUBMERSION (DROWNING), UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	5	0.3
E985	INJURY BY FIREARMS AND EXPLOSIVES, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	0.1
E987	FALLING FROM HIGH PLACE, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	2	0.1
E988	INJURY BY OTHER AND UNSPECIFIED MEANS, UNDETERMINED WHETHER ACCIDENTALLY OR PURPOSELY INFLICTED	3	0.2

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY DISTRICT*
WEST VIRGINIA, 1989
Table 35

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY DISTRICT									
	TOTAL		DISTRICT 1		DISTRICT 2		DISTRICT 3		DISTRICT 4	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	202	9.2	30	10.8	26	7.9	20	5.6	13	7.7
TOTAL DEATHS, ALL CAUSES	19,525	10.4	2,557	10.2	2,816	10.2	2,979	9.9	1,787	12.0
DEATHS UNDER 1 YEAR	208	9.4	21	7.6	27	8.2	30	8.4	13	7.7
DEATHS UNDER 28 DAYS	138	6.3	14	5.0	15	4.6	23	6.4	7	4.2
INTESTINAL INFECTIOUS DISEASES	1	0.1	1	0.4	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	12	0.6	4	1.6	3	1.1	2	0.7	0	0.0
SEPTICEMIA	169	9.0	24	9.5	24	8.7	32	10.7	19	12.7
MALIGNANT NEOPLASMS	4,400	234.4	530	210.7	660	238.5	736	245.2	410	275.0
--OF DIGESTIVE ORGANS AND PERITONEUM	985	52.5	120	47.7	144	52.0	158	52.6	97	65.1
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1,436	76.5	179	71.1	245	88.4	249	82.9	140	93.9
--OF GENITOURINARY ORGANS	582	31.0	70	27.8	80	28.9	90	30.0	52	34.9
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	46	2.5	3	1.2	3	1.1	4	1.3	5	3.4
DIABETES MELLITUS	503	26.8	65	25.8	81	29.2	69	23.0	32	21.5
NUTRITIONAL DEFICIENCIES	32	1.7	3	1.2	5	1.8	7	2.3	5	3.4
ANEMIAS	34	1.8	4	1.6	4	1.4	6	2.0	3	2.0
MAJOR CARDIOVASCULAR DISEASES	8,957	477.2	1,179	468.6	1,270	458.5	1,312	437.0	789	529.2
DISEASES OF THE HEART	7,306	389.2	978	388.7	1,053	380.1	1,073	357.4	651	436.6
HYPERTENSION	89	4.7	10	4.0	18	6.5	16	5.3	5	3.4
CEREBROVASCULAR DISEASES	1,187	63.2	161	64.0	163	58.8	167	55.6	102	68.4
ARTERIOSCLEROSIS	164	8.7	5	2.0	10	3.6	18	6.0	16	10.7
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	211	11.2	25	9.9	26	9.4	38	12.7	15	10.1
PNEUMONIA AND INFLUENZA	631	33.6	75	29.8	70	25.3	89	29.6	67	44.9
PNEUMONIA	617	32.9	73	29.0	70	25.3	88	29.3	66	44.3
INFLUENZA	14	0.7	2	0.8	0	0.0	1	0.3	1	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	888	47.3	144	57.2	135	48.7	124	41.3	91	61.0
BRONCHITIS, EMPHYSEMA, AND ASTHMA	181	9.6	17	6.8	41	14.8	26	8.7	20	13.4
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	160	8.5	48	19.1	27	9.7	10	3.3	19	12.7
COAL WORKER'S PNEUMOCONIOSIS	93	5.0	38	15.1	17	6.1	4	1.3	14	9.4
ULCER OF STOMACH AND DUODENUM	48	2.6	4	1.4	7	2.5	5	1.7	7	4.7
HERNIA AND INTESTINAL OBSTRUCTION	44	2.3	7	2.3	8	2.9	3	1.0	4	2.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	185	9.9	28	11.1	30	10.8	33	11.0	19	12.7
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	34	1.8	2	0.8	7	2.5	4	1.3	7	4.7
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	227	12.1	23	9.1	35	12.6	35	11.7	31	20.8
INFECTIONS OF KIDNEY	14	0.7	0	0.0	4	1.4	1	0.3	1	0.7
CONGENITAL ANOMALIES	104	5.5	18	7.2	12	4.3	9	3.0	7	4.7
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	4.5	6	2.4	9	3.2	16	5.3	3	2.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	20	1.1	3	1.2	4	1.4	5	1.7	1	0.7
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	22	1.2	1	0.4	0	0.0	3	1.0	1	0.7
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	164	8.7	12	4.8	30	10.8	22	7.3	10	6.7
ACCIDENTS, ALL FORMS	934	49.8	119	47.3	132	47.7	141	47.0	94	63.0
MOTOR VEHICLE ACCIDENTS	477	25.4	71	28.2	64	23.1	83	27.6	38	25.5
HOME ACCIDENTS	186	9.9	25	9.9	32	11.6	23	7.7	17	11.4
WORK ACCIDENTS	51	2.7	4	1.6	11	4.0	6	2.0	7	4.7
SUICIDE	230	12.3	38	15.1	32	11.6	35	11.7	12	8.0
HOMICIDE	137	7.3	32	12.7	27	9.7	23	7.7	7	4.7
ALL OTHER CAUSES (RESIDUAL)	1,487	79.2	188	74.7	201	72.6	261	86.9	145	97.3

*Public Health Management District

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY DISTRICT*
WEST VIRGINIA, 1989
Table 35 (cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY DISTRICT							
	DISTRICT 5		DISTRICT 6		DISTRICT 7		DISTRICT 8	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	17	8.1	17	9.0	36	8.7	43	16.6
TOTAL DEATHS, ALL CAUSES	1,797	10.5	1,956	10.8	3,854	10.5	1,779	10.1
DEATHS UNDER 1 YEAR	26	12.3	13	6.9	45	10.9	33	12.7
DEATHS UNDER 28 DAYS	18	8.5	9	4.8	26	6.3	26	10.0
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	2	1.1	1	0.6	0	0.0	0	0.0
SEPTICEMIA	15	8.6	16	8.8	31	8.4	8	4.5
MALIGNANT NEOPLASMS	414	237.7	455	250.3	808	220.2	387	220.0
OF DIGESTIVE ORGANS AND PERITONEUM	99	56.8	109	60.0	171	46.6	87	49.5
OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	131	75.2	132	72.6	238	64.9	122	69.4
OF GENITOURINARY ORGANS	53	30.4	62	34.1	124	33.8	51	29.0
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	6	3.4	5	2.8	15	4.1	5	2.8
DIABETES MELLITUS	57	32.7	61	33.6	99	27.0	39	22.2
NUTRITIONAL DEFICIENCIES	4	2.3	2	1.1	5	1.4	1	0.6
ANEMIAS	5	2.9	6	3.3	3	0.8	3	1.7
MAJOR CARDIOVASCULAR DISEASES	782	448.9	948	521.5	1,823	496.9	854	485.5
DISEASES OF THE HEART	640	367.4	772	424.6	1,444	393.6	695	395.1
HYPERTENSION	6	3.4	6	3.3	20	5.5	6	3.4
CEREBROVASCULAR DISEASES	106	60.8	133	73.2	245	66.8	110	62.5
ARTERIOSCLEROSIS	13	7.5	16	8.8	62	16.9	24	13.6
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	15	8.6	21	11.6	52	14.2	19	10.8
PNEUMONIA AND INFLUENZA	56	32.1	79	43.5	135	36.8	60	34.1
PNEUMONIA	51	30.4	78	42.9	129	35.2	60	34.1
INFLUENZA	3	1.7	1	0.6	6	1.6	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	81	46.5	92	50.6	166	45.2	55	31.3
BRONCHITIS, EMPHYSEMA, AND ASTHMA	15	8.6	17	9.4	33	9.0	12	6.8
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	5	2.9	4	2.2	38	10.4	9	5.1
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	20	5.5	0	0.0
ULCER OF STOMACH AND DUODENUM	5	2.9	7	3.9	8	2.2	15	2.8
HERNIA AND INTESTINAL OBSTRUCTION	2	1.1	4	2.2	12	3.3	4	2.3
CHRONIC LIVER DISEASE AND CIRRHOSIS	12	6.9	20	11.0	28	7.6	15	8.5
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	4	2.3	3	1.7	5	1.4	2	1.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	12	6.9	15	8.2	55	15.0	21	11.9
INFECTIONS OF KIDNEY	1	0.6	1	0.6	5	1.4	1	0.6
CONGENITAL ANOMALIES	11	6.3	9	5.0	23	6.3	15	8.5
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	15	8.6	7	3.9	15	4.1	13	7.4
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	3	1.7	0	0.0	2	0.5	2	1.1
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	5	2.9	4	2.2	4	1.1	4	2.3
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	47	27.0	12	6.6	24	6.5	7	4.0
ACCIDENTS, ALL FORMS	91	52.2	65	35.8	184	50.1	108	61.4
MOTOR VEHICLE ACCIDENTS	51	29.3	26	14.3	81	22.1	63	35.8
HOME ACCIDENTS	19	10.9	10	5.5	40	10.9	20	11.4
WORK ACCIDENTS	1	0.6	7	3.9	9	2.5	6	3.4
SUICIDE	19	10.9	22	12.1	39	10.6	33	18.8
HOMICIDE	9	5.2	3	1.7	23	6.3	13	7.4
ALL OTHER CAUSES (RESIDUAL)	142	81.5	119	65.5	310	84.5	121	68.8

*Public Health Management District

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	BARBOUR		BERKELEY		BOONE		BRAXTON		BROOKE		CABELL		CALHOUN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	9.3	10	10.9	4	15.2	0	0.0	3	12.3	7	6.0	0	0.0
TOTAL DEATHS, ALL CAUSES	182	11.8	575	10.4	266	9.4	174	12.2	294	10.4	1,156	11.5	81	9.8
DEATHS UNDER 1 YEAR	4	18.5	11	12.0	3	11.4	1	6.3	3	12.3	10	8.6	4	45.5
DEATHS UNDER 28 DAYS	2	9.3	9	9.8	2	7.6	0	0.0	3	12.3	8	6.9	3	34.1
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	1	3.5	0	0.0	0	0.0	1	1.0	0	0.0
SEPTICEMIA	0	0.0	1	1.8	0	0.0	0	0.0	1	3.5	11	10.9	1	12.0
MALIGNANT NEOPLASMS	36	233.8	131	237.3	61	216.3	35	244.8	83	293.3	266	264.2	25	301.2
--OF DIGESTIVE ORGANS AND PERITONEUM	6	39.0	29	52.5	11	39.0	6	42.0	19	67.1	53	52.6	7	84.3
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	14	90.9	43	77.9	26	92.2	13	90.9	23	81.3	97	96.3	8	96.4
--OF GENITOURINARY ORGANS	4	26.0	16	29.0	8	28.4	7	49.0	9	31.8	32	31.8	3	36.1
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	2	3.6	1	3.5	0	0.0	0	0.0	2	2.0	1	12.0
DIABETES MELLITUS	6	39.0	12	21.7	4	14.2	1	7.0	10	35.3	29	28.8	1	12.0
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	4.0	1	12.0
ANEMIAS	0	0.0	1	1.8	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
MAJOR CARDIOVASCULAR DISEASES	84	545.5	271	490.9	118	418.4	88	615.4	134	473.5	549	545.2	34	409.6
DISEASES OF THE HEART	66	428.6	216	391.3	101	358.2	69	482.5	110	388.7	445	441.9	29	349.4
HYPERTENSION	1	6.5	2	3.6	2	7.1	1	7.0	0	0.0	7	7.0	0	0.0
CEREBROVASCULAR DISEASES	12	77.9	39	70.7	12	42.6	15	104.9	20	70.7	80	79.4	4	48.2
ARTERIOSCLEROSIS	1	6.5	5	9.1	2	7.1	2	14.0	0	0.0	5	5.0	0	0.0
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	4	26.0	9	16.3	1	3.5	1	7.0	4	14.1	12	11.9	1	12.0
PNEUMONIA AND INFLUENZA	13	84.4	18	32.6	7	24.8	6	42.0	11	38.9	35	34.8	2	24.1
PNEUMONIA	13	84.4	18	32.6	6	21.3	6	42.0	11	38.9	35	34.8	2	24.1
INFLUENZA	0	0.0	0	0.0	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	4	26.0	19	34.4	13	46.1	11	76.9	16	56.5	52	51.6	1	12.0
BRONCHITIS, EMPHYSEMA, AND ASTHMA	1	6.5	7	12.7	2	7.1	6	42.0	0	0.0	22	21.8	1	12.0
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	6.5	0	0.0	2	7.1	1	7.0	0	0.0	7	7.0	0	0.0
COAL WORKER'S PNEUMOCONIOSIS	1	6.5	0	0.0	2	7.1	0	0.0	0	0.0	2	2.0	0	0.0
ULCER OF STOMACH AND DUODENUM	1	6.5	2	3.6	0	0.0	1	7.0	0	0.0	4	4.0	0	0.0
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	1.8	0	0.0	0	0.0	0	0.0	2	2.0	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	3	19.5	3	5.4	1	3.5	1	7.0	3	10.6	12	11.9	1	12.0
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	1	1.8	1	3.5	0	0.0	1	3.5	3	3.0	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	1	6.5	10	18.1	2	7.1	4	28.0	1	3.5	10	9.9	0	0.0
INFECTIONS OF KIDNEY	0	0.0	1	1.8	0	0.0	0	0.0	0	0.0	1	1.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	8	14.5	1	3.5	1	7.0	2	7.1	6	6.0	0	0.0
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	13.0	3	5.4	2	7.1	0	0.0	2	7.1	5	5.0	3	36.1
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	1	1.8	1	3.5	0	0.0	0	0.0	2	2.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	0	0.0	1	1.8	0	0.0	0	0.0	1	3.5	0	0.0	2	24.1
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	1	6.5	1	1.8	1	3.5	0	0.0	1	3.5	13	12.9	2	24.1
ACCIDENTS, ALL FORMS	12	77.9	30	54.3	16	56.7	9	62.9	6	21.2	40	39.7	6	72.3
MOTOR VEHICLE ACCIDENTS	2	13.0	18	32.6	11	39.0	5	35.0	1	3.5	14	13.9	4	48.2
HOME ACCIDENTS	3	19.5	4	7.2	2	7.1	1	7.0	1	3.5	15	14.9	0	0.0
WORK ACCIDENTS	1	6.5	1	1.8	2	7.1	2	14.0	0	0.0	1	1.0	0	0.0
SUICIDE	1	6.5	12	21.7	3	10.6	1	7.0	6	21.2	9	8.9	2	24.1
HOMICIDE	0	0.0	7	12.7	3	10.6	0	0.0	0	0.0	9	8.9	1	12.0
ALL OTHER CAUSES (RESIDUAL)	17	110.4	41	74.3	28	99.3	15	104.9	17	60.1	86	85.4	0	0.0

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (c n't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	CLAY		DODDRIDGE		FAYETTE		GILMER		GRANT		GREENBRIER		HAMPSHIRE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	0	0.0	0	0.0	7	12.9	0	0.0	1	6.9	4	9.9	6	24.3
TOTAL DEATHS, ALL CAUSES	97	8.7	60	6.5	670	12.9	81	10.4	100	9.3	442	12.6	162	9.9
DEATHS UNDER 1 YEAR	1	7.5	0	0.0	7	12.9	1	12.5	1	6.9	2	4.9	3	12.1
DEATHS UNDER 28 DAYS	1	7.5	0	0.0	5	9.2	1	12.5	1	6.9	1	2.5	3	12.1
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SEPTICEMIA	0	0.0	1	14.1	9	15.4	0	0.0	0	0.0	5	14.2	1	6.1
MALIGNANT NEOPLASMS	22	196.4	20	281.7	143	275.5	13	166.7	18	124.7	113	321.9	29	176.8
--OF DIGESTIVE ORGANS AND PERITONEUM	6	53.6	3	42.3	35	67.4	1	12.8	4	37.0	30	85.5	7	42.7
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	9	80.4	5	70.4	54	104.0	8	102.6	5	46.3	35	99.7	8	48.8
--OF GENITOURINARY ORGANS	1	8.9	3	42.3	13	25.0	2	25.6	2	18.5	14	39.9	8	48.8
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	0	0.0	2	3.9	2	25.6	0	0.0	2	5.7	1	6.1
DIABETES MELLITUS	2	17.9	3	42.3	13	25.0	3	38.5	2	18.5	10	28.5	3	18.3
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0
ANEMIAS	0	0.0	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0
MAJOR CARDIOVASCULAR DISEASES	47	419.6	20	281.7	309	595.5	39	500.0	55	509.3	180	512.8	75	457.3
DISEASES OF THE HEART	35	312.5	15	211.3	269	518.7	32	410.3	47	435.2	145	413.1	64	390.2
HYPERTENSION	0	0.0	0	0.0	1	1.9	1	12.8	0	0.0	0	0.0	0	0.0
CEREBROVASCULAR DISEASES	8	71.4	5	70.4	39	75.1	3	38.5	5	46.3	22	62.7	9	54.9
ARTERIOSCLEROSIS	2	17.9	0	0.0	0	0.0	0	0.0	2	18.5	9	25.6	1	6.1
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	17.9	0	0.0	5	9.6	3	38.5	1	9.3	4	11.4	1	6.1
PNEUMONIA AND INFLUENZA	2	17.9	1	14.1	22	42.4	4	51.3	4	37.0	21	59.8	5	30.5
PNEUMOMIA	2	17.9	1	14.1	22	42.4	4	51.3	4	37.0	21	59.8	5	30.5
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	4	35.7	5	42.3	32	61.7	5	64.1	2	18.5	23	65.5	5	30.5
BRONCHITIS, EMPHYSEMA, AND ASTHMA	1	8.9	0	0.0	7	13.5	1	12.8	0	0.0	2	5.7	1	6.1
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	0	0.0	0	0.0	8	15.4	0	0.0	1	9.3	6	17.1	1	6.1
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	6	11.6	0	0.0	0	0.0	5	14.2	0	0.0
ULCER OF STOMACH AND DUODENUM	2	17.9	0	0.0	2	3.9	0	0.0	1	9.3	1	2.8	0	0.0
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	14.1	3	5.8	0	0.0	0	0.0	1	2.8	1	6.1
CHRONIC LIVER DISEASE AND CIRRHOSIS	0	0.0	0	0.0	12	23.1	0	0.0	2	0.0	4	11.4	4	24.4
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	1	8.9	0	0.0	3	5.8	0	0.0	0	0.0	2	5.7	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	17.9	2	28.2	8	15.4	2	25.6	1	9.3	11	31.3	3	18.3
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	0	0.0	0	0.0	2	3.9	1	12.8	0	0.0	2	5.7	1	6.1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	8.9	0	0.0	2	3.9	0	0.0	1	9.3	1	2.8	2	12.2
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	1	9.3	1	2.8	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	0	0.0	0	0.0	1	1.9	0	0.0	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0.0	1	14.1	3	5.8	0	0.0	1	9.3	5	14.2	1	6.1
ACCIDENTS, ALL FORMS	9	80.4	6	84.5	32	61.7	5	64.1	7	64.8	18	51.3	18	109.8
MOTOR VEHICLE ACCIDENTS	6	53.6	1	14.1	11	21.2	2	25.6	4	37.0	5	14.2	12	73.2
HOME ACCIDENTS	2	17.9	1	14.1	9	17.3	2	25.6	2	18.5	3	8.5	2	12.2
WORK ACCIDENTS	0	0.0	2	28.2	1	1.9	0	0.0	1	9.3	1	2.8	0	0.0
SUICIDE	1	8.9	0	0.0	5	9.6	1	12.8	1	9.3	4	11.4	2	12.2
HOMICIDE	0	0.0	0	0.0	4	7.7	1	12.8	1	9.3	1	2.8	1	6.1
ALL OTHER CAUSES (RESIDUAL)	4	35.7	2	28.2	55	106.0	5	64.1	5	46.3	32	91.2	9	54.9

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (con't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	HANCOCK		HARDY		HARRISON		JACKSON		JEFFERSON		KANAWHA		LEWIS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	1	2.9	7	45.2	9	11.2	4	12.4	16	28.7	15	5.7	4	19.9
TOTAL DEATHS, ALL CAUSES	580	10.2	115	10.6	884	11.9	272	10.7	333	9.4	2,295	10.5	230	13.1
DEATHS UNDER 1 YEAR	4	11.6	4	24.7	5	6.2	5	15.5	5	9.0	24	9.1	6	29.9
DEATHS UNDER 28 DAYS	2	5.8	3	18.5	3	3.7	4	12.4	4	7.2	18	6.8	3	14.9
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	1	3.9	0	0.0	1	0.5	0	0.0
SEPTICEMIA	1	2.7	0	0.0	8	10.8	2	7.8	1	2.8	29	13.2	0	0.0
MALIGNANT NEOPLASMS	75	201.6	28	261.7	193	260.1	60	235.3	69	194.4	572	261.2	57	323.9
--OF DIGESTIVE ORGANS AND PERITONEUM	17	45.7	9	84.1	49	66.0	15	58.8	17	47.9	121	55.3	13	73.9
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	24	64.5	3	28.0	53	71.4	15	58.8	21	59.2	192	87.7	16	90.9
--OF GENITOURINARY ORGANS	10	26.9	3	28.0	26	35.0	10	39.2	8	22.5	68	31.1	10	56.8
BENIGN NEOPLASMS, CARCINOMA IN-SITU, AND NEOPLASM OF UNSPECIFIED NATURE	2	5.4	0	0.0	6	8.1	1	3.9	2	5.6	2	0.9	0	0.0
DIABETES MELLITUS	15	40.3	3	28.0	19	25.6	11	43.1	9	25.4	59	26.9	1	5.7
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	2	2.7	0	0.0	0	0.0	7	3.2	0	0.0
ANEMIAS	2	5.4	0	0.0	0	0.0	2	7.8	0	0.0	4	1.8	0	0.0
MAJOR CARDIOVASCULAR DISEASES	204	548.4	55	495.3	403	543.1	121	474.5	166	467.6	1,004	458.4	108	613.6
DISEASES OF THE HEART	159	427.4	44	411.2	327	440.7	98	384.3	136	383.1	818	373.5	88	500.0
HYPERTENSION	1	2.7	1	9.3	4	5.4	1	3.9	0	0.0	12	5.5	1	5.7
CEREBROVASCULAR DISEASES	38	102.2	5	46.7	50	67.4	21	82.4	22	62.8	133	60.7	17	96.6
ARTERIOSCLEROSIS	4	10.8	2	18.7	14	18.9	1	3.9	5	14.1	11	5.0	1	5.7
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	5.4	1	9.3	8	10.8	0	0.0	3	8.5	30	13.7	1	5.7
PNEUMONIA AND INFLUENZA	9	24.2	5	46.7	31	41.8	6	23.5	15	42.3	69	31.5	9	51.1
PNEUMONIA	9	24.2	5	46.7	29	39.1	6	23.5	15	42.3	69	31.5	9	51.1
INFLUENZA	0	0.0	0	0.0	2	2.7	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	18	48.4	2	18.7	55	74.1	13	51.0	10	28.2	92	42.0	11	62.5
BRONCHITIS, EMPHYSEMA, AND ASTHMA	3	8.1	0	0.0	11	14.8	1	3.9	0	0.0	21	9.6	2	11.4
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	2	5.4	0	0.0	6	8.1	1	3.9	2	5.6	7	3.2	2	11.4
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	3	4.0	0	0.0	0	0.0	2	0.9	0	0.0
ULCER OF STOMACH AND DUODENUM	1	2.7	0	0.0	2	2.7	0	0.0	2	5.6	3	1.4	1	5.7
HERNIA AND INTESTINAL OBSTRUCTION	1	2.7	0	0.0	3	4.0	0	0.0	0	0.0	5	1.4	2	11.4
CHRONIC LIVER DISEASE AND CIRRHOSIS	4	10.8	0	0.0	3	4.0	0	0.0	6	16.9	31	14.2	0	0.0
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	1	2.7	0	0.0	1	1.3	1	3.9	1	2.8	2	0.9	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	4	10.8	1	9.3	10	13.5	2	7.8	4	11.3	24	11.0	5	28.4
INFECTIONS OF KIDNEY	1	2.7	0	0.0	0	0.0	0	0.0	0	0.0	1	0.5	0	0.0
CONGENITAL ANOMALIES	1	2.7	2	18.7	3	4.0	0	0.0	0	0.0	7	3.2	2	11.4
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	5.4	1	9.3	2	2.7	5	19.6	2	5.6	12	5.5	2	11.4
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	1	3.9	0	0.0	4	1.8	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	0	0.0	0	0.0	1	1.3	2	7.8	0	0.0	3	1.4	1	5.7
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	7	18.8	1	9.3	6	8.1	2	7.8	0	0.0	16	7.3	5	28.4
ACCIDENTS, ALL FORMS	14	37.6	8	74.8	35	47.2	14	54.9	17	47.9	95	43.4	10	56.8
MOTOR VEHICLE ACCIDENTS	11	29.6	3	28.0	18	24.3	7	27.5	8	22.5	54	24.7	4	22.7
HOME ACCIDENTS	0	0.0	3	28.0	9	12.1	1	3.9	4	11.3	14	6.4	5	28.4
WORK ACCIDENTS	1	2.7	1	9.3	0	0.0	0	0.0	1	2.8	3	1.4	0	0.0
SUICIDE	2	5.4	0	0.0	8	10.8	2	7.8	11	31.0	30	13.7	3	17.0
HOMICIDE	1	2.7	0	0.0	1	1.3	1	3.9	3	8.5	18	8.2	2	11.4
ALL OTHER CAUSES (RESIDUAL)	13	34.9	9	84.1	87	117.3	27	105.9	13	36.6	207	94.5	10	56.8

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (con't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	LINCOLN		LOGAN		MCDOWELL		MARION		MARSHALL		MASON		MERCER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	3	10.7	7	12.5	6	11.3	3	4.5	7	15.6	2	7.6	9	11.5
TOTAL DEATHS, ALL CAUSES	226	9.8	479	10.1	424	10.5	721	11.6	381	9.8	263	10.1	741	10.5
DEATHS UNDER 1 YEAR	4	14.2	4	7.1	7	13.2	9	13.5	3	6.7	0	0.0	4	5.1
DEATHS UNDER 28 DAYS	2	7.1	2	3.6	4	7.5	4	6.0	2	4.5	0	0.0	4	5.1
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	2	4.9	0	0.0	0	0.0	1	3.8	1	1.4
SEPTICEMIA	2	8.7	3	6.3	2	4.9	5	8.0	4	10.3	1	3.8	7	9.9
MALIGNANT NEOPLASMS	62	268.4	123	258.4	87	214.8	149	239.5	84	215.9	63	241.4	164	233.0
--OF DIGESTIVE ORGANS AND PERITONEUM	16	69.3	31	65.1	15	37.0	28	45.0	14	36.0	17	65.1	37	52.6
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	23	99.6	49	102.9	39	96.3	45	72.3	24	61.7	22	84.3	52	73.9
--OF GENITOURINARY ORGANS	5	21.6	14	29.4	10	24.7	29	46.6	11	28.3	10	38.3	27	38.4
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	0	0.0	0	0.0	4	6.4	0	0.0	0	0.0	2	2.8
DIABETES MELLITUS	6	26.0	20	42.0	9	22.2	24	38.6	14	36.0	5	19.2	12	17.0
NUTRITIONAL DEFICIENCIES	0	0.0	1	2.1	0	0.0	0	0.0	1	2.6	0	0.0	0	0.0
ANEMIAS	1	4.3	0	0.0	1	2.5	1	1.6	0	0.0	1	3.8	1	1.4
MAJOR CARDIOVASCULAR DISEASES	82	355.0	187	392.9	180	444.6	348	546.6	190	488.6	129	494.3	334	474.4
DISEASES OF THE HEART	67	290.0	165	346.6	147	363.0	279	448.6	162	429.5	109	417.6	270	383.5
HYPERTENSION	2	8.7	2	4.2	4	9.9	4	6.4	1	2.6	3	11.5	4	5.7
CEREBROVASCULAR DISEASES	13	56.3	15	31.5	23	51.9	47	75.6	18	46.3	13	49.8	48	68.2
ARTERIOSCLEROSIS	0	0.0	2	4.2	1	2.5	2	3.2	0	0.0	1	3.8	2	2.8
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	8	0.0	3	6.3	7	17.3	8	12.9	4	10.3	5	11.5	10	14.2
PNEUMONIA AND INFLUENZA	4	17.3	8	16.8	11	27.2	22	35.4	16	41.1	7	26.8	17	24.1
PNEUMONIA	4	17.3	8	16.8	11	27.2	19	30.5	16	41.1	7	26.8	16	22.7
INFLUENZA	0	0.0	0	0.0	0	0.0	3	4.8	0	0.0	0	0.0	1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	9	39.0	27	56.7	23	56.8	25	40.2	17	43.7	10	38.3	47	66.8
BRONCHITIS, EMPHYSEMA, AND ASTHMA	7	8.7	5	10.5	1	2.5	1	1.6	4	10.3	2	7.7	5	7.1
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	4.3	8	16.8	9	22.2	15	24.1	0	0.0	1	3.8	8	11.4
COAL WORKER'S PNEUMOCONIOSIS	1	0.0	7	14.7	8	19.8	12	19.3	0	0.0	1	3.8	7	9.9
ULCER OF STOMACH AND DUODENUM	1	4.3	1	2.1	1	2.5	2	3.2	2	5.1	1	3.8	1	1.4
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	2.1	0	0.0	2	3.2	0	0.0	2	7.7	4	5.7
CHRONIC LIVER DISEASE AND CIRRHOSIS	2	8.7	4	16.8	4	9.9	9	14.5	3	7.7	2	7.7	7	9.9
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	1	2.1	1	2.5	1	1.6	0	0.0	0	0.0	1	1.4
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	3	13.0	10	21.0	5	12.5	9	14.5	9	23.1	4	15.3	10	14.2
INFECTIONS OF KIDNEY	0	0.0	2	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	1	4.3	2	4.2	6	14.8	5	8.0	2	5.1	0	0.0	5	7.1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	4.3	1	2.1	2	4.9	2	3.2	1	2.6	0	0.0	1	1.4
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	1	2.1	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	0	0.0	0	0.0	0	0.0	1	1.6	1	2.6	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	15	64.9	28	58.8	27	66.7	26	41.8	13	33.4	11	42.1	38	54.0
ACCIDENTS, ALL FORMS	5	21.6	14	29.4	18	44.4	5	8.0	4	10.3	6	23.0	24	34.1
MOTOR VEHICLE ACCIDENTS	5	21.6	4	8.4	3	7.4	5	8.0	3	7.7	1	3.8	6	8.5
HOME ACCIDENTS	1	4.3	5	10.5	3	7.4	0	0.0	2	5.1	2	7.7	0	0.0
WORK ACCIDENTS	1	4.3	5	10.5	6	14.8	6	9.6	3	7.7	4	15.3	12	17.0
SUICIDE	8	34.6	5	10.5	8	19.8	12	19.3	1	2.6	1	3.8	8	11.4
HOMICIDE	5	21.6	6	12.6	35	86.4	60	96.5	21	54.9	19	72.8	56	79.5
ALL OTHER CAUSES (RESIDUAL)	20	86.6	34	71.4										

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (con't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	MINERAL		MINGO		MONONGALIA		MONROE		MORGAN		NICHOLAS		OHIO	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	1	3.1	5	10.0	6	7.1	0	0.0	0	0.0	2	6.2	2	3.5
TOTAL DEATHS, ALL CAUSES	361	11.1	320	9.0	569	7.4	137	10.9	119	9.8	258	9.5	683	12.0
DEATHS UNDER 1 YEAR	5	15.6	3	6.0	8	9.5	0	0.0	1	6.8	2	6.2	2	3.3
DEATHS UNDER 28 DAYS	3	9.4	1	2.0	7	8.3	0	0.0	1	6.8	1	3.1	1	1.7
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	1	2.8	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8
SEPTICEMIA	2	7.4	4	11.2	8	10.3	1	7.9	2	16.5	4	14.7	7	12.3
MALIGNANT NEOPLASMS	63	231.6	74	207.3	116	150.1	29	230.2	31	256.2	64	234.4	163	287.0
--OF DIGESTIVE ORGANS AND PERITONEUM	10	36.8	12	33.6	24	31.0	7	55.6	5	41.3	12	44.0	45	79.2
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	24	88.2	28	78.4	56	66.6	8	63.5	14	115.7	20	73.3	45	79.2
--OF GENITOURINARY ORGANS	6	22.1	9	25.2	12	15.5	3	23.8	3	24.8	13	47.6	27	47.5
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	1	3.7	1	1.8
DIABETES MELLITUS	5	18.4	10	28.0	21	27.2	2	15.9	3	24.8	4	14.7	16	28.2
NUTRITIONAL DEFICIENCIES	1	3.7	0	0.0	1	1.3	0	0.0	0	0.0	1	3.7	1	1.8
ANEMIAS	2	7.4	1	2.8	1	1.3	0	0.0	0	0.0	2	7.3	4	7.0
MAJOR CARDIOVASCULAR DISEASES	133	562.5	137	384.8	271	350.6	62	492.1	46	380.2	109	399.3	325	572.2
DISEASES OF THE HEART	120	455.9	125	344.5	187	241.9	52	412.7	35	289.3	89	326.0	265	466.5
HYPERTENSION	2	7.4	1	2.8	3	3.9	0	0.0	1	8.3	2	7.3	4	7.0
CEREBROVASCULAR DISEASE	10	58.6	10	28.0	41	53.0	10	79.4	8	66.1	12	44.0	37	65.1
ARTERIOSCLEROSIS	4	33.1	0	0.0	30	38.8	0	0.0	0	0.0	3	11.0	10	17.6
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	7.4	3	8.4	10	12.9	0	0.0	2	16.5	3	11.0	9	15.8
PNEUMONIA AND INFLUENZA	5	18.4	9	25.2	17	22.0	7	55.6	7	57.9	7	25.6	31	54.6
PNEUMONIA	5	18.4	9	25.2	16	20.7	7	55.6	7	57.9	7	25.6	31	54.6
INFLUENZA	0	0.0	0	0.0	1	1.3	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	11	40.4	19	53.2	16	20.7	9	71.4	4	33.1	9	33.0	34	59.9
BRONCHITIS, EMPHYSEMA, AND ASTHMA	2	7.4	3	8.4	4	5.2	2	15.9	1	8.3	1	3.7	8	14.1
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	3	11.0	7	19.6	4	5.2	2	15.9	0	0.0	4	14.7	2	3.5
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	5	14.0	1	1.3	0	0.0	0	0.0	3	11.0	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	3.5
HERNIA AND INTESTINAL OBSTRUCTION	2	7.4	1	2.8	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8
CHRONIC LIVER DISEASE AND CIRRHOSIS	2	7.4	3	8.4	8	10.3	5	39.7	0	0.0	1	3.7	9	15.8
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	1	2.8	1	1.3	0	0.0	0	0.0	0	0.0	1	1.8
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	7.4	5	14.0	7	9.1	0	0.0	0	0.0	7	25.6	1	1.8
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	2	7.4	1	2.8	4	5.2	0	0.0	0	0.0	1	3.7	3	5.3
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	2	7.4	1	2.8	3	3.9	0	0.0	1	8.3	0	0.0	1	1.8
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	1	2.8	2	2.6	0	0.0	0	0.0	0	0.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	2	7.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.8
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0.0	2	5.6	5	6.5	0	0.0	1	8.3	2	7.3	2	3.5
ACCIDENTS, ALL FORMS	15	55.1	17	47.6	28	36.2	6	47.6	9	74.4	20	73.3	20	35.2
MOTOR VEHICLE ACCIDENTS	9	33.1	10	28.0	16	20.7	4	31.7	7	57.9	11	40.3	9	15.8
HOME ACCIDENTS	2	7.4	3	8.4	3	3.9	2	15.9	2	16.5	3	11.0	4	7.0
WORK ACCIDENTS	1	3.7	1	2.8	2	2.6	0	0.0	0	0.0	2	7.3	2	3.5
SUICIDE	4	14.7	4	11.2	8	10.3	1	7.9	3	24.8	1	3.7	5	8.8
HOMICIDE	0	0.0	5	14.0	3	3.9	1	7.9	1	8.3	0	0.0	1	1.8
ALL OTHER CAUSES (RESIDUAL)	27	99.3	18	50.4	46	59.5	12	95.2	11	90.9	21	76.9	52	91.5

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (con't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	PENDLETON		PLEASANTS		POCAHONTAS		PRESTON		PUTNAM		RALEIGH		RANDOLPH	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL DEATHS	8	100.0	7	91.1	19	192.4	51	103.0	22	52.6	63	78.6	23	81.5
TOTAL DEATHS, ALL CAUSES	8	100.0	7	91.1	19	192.4	51	103.0	22	52.6	63	78.6	23	81.5
DEATHS UNDER 1 YEAR	1	12.5	0	0.0	0	0.0	2	4.0	1	2.4	1	1.2	0	0.0
DEATHS UNDER 28 DAYS	1	12.5	0	0.0	0	0.0	1	2.0	1	2.4	1	1.2	0	0.0
INFECTIOUS AND PARASITIC DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0
SYPHILIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
AIDS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
OTHER INFECTIOUS AND PARASITIC DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MALIGNANT NEOPLASMS	1	12.5	0	0.0	0	0.0	1	2.0	0	0.0	1	1.2	0	0.0
LUNG CANCER	1	12.5	0	0.0	0	0.0	1	2.0	0	0.0	1	1.2	0	0.0
OTHER MALIGNANT NEOPLASMS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DIABETES MELLITUS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0
ALCOHOLISM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
MENTAL DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DISEASES OF THE NERVOUS SYSTEM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DISEASES OF THE HEART	3	37.5	3	39.0	9	91.1	21	42.4	9	21.5	25	31.2	9	31.9
HYPERTENSION	0	0.0	0	0.0	0	0.0	1	2.0	0	0.0	2	2.5	0	0.0
ACUTE MYOCARDIAL INFARCTION	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
OTHER ISCHEMIC HEART DISEASE	2	25.0	2	26.0	7	70.9	15	30.3	7	16.7	16	20.0	6	21.3
ALL OTHER FORMS OF HEART DISEASE	1	12.5	1	13.0	2	20.2	5	10.1	2	4.8	7	8.7	3	10.6
CEREBROVASCULAR DISEASES	0	0.0	0	0.0	1	10.9	3	6.0	1	2.4	6	7.5	2	7.1
ATHEROSCLEROSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	3.5
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	0	0.0	0	0.0	0	0.0	1	2.0	0	0.0	0	0.0	1	3.5
INFECTIONS OF KIDNEY	0	0.0	0	0.0	1	10.9	0	0.0	0	0.0	0	0.0	0	0.0
CONGENITAL ANOMALIES	2	25.0	0	0.0	0	0.0	0	0.0	1	2.4	2	2.5	1	3.5
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	12.5	0	0.0	0	0.0	2	4.0	1	2.4	1	1.2	0	0.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	1	12.5	0	0.0	0	0.0	0	0.0	0	0.0	1	1.2	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	2	25.0	0	0.0	0	0.0	1	2.0	1	2.4	1	1.2	0	0.0
ACCIDENTS, ALL FORMS	4	50.0	2	26.0	2	20.2	21	42.4	12	28.7	11	13.7	5	17.7
MOTOR VEHICLE ACCIDENTS	2	25.0	1	13.0	1	10.9	11	22.2	5	12.0	11	13.7	2	7.1
HOME ACCIDENTS	1	12.5	1	13.0	1	10.9	5	10.1	5	12.0	0	0.0	2	7.1
WORK ACCIDENTS	1	12.5	0	0.0	0	0.0	0	0.0	1	2.4	1	1.2	0	0.0
SUICIDE	0	0.0	1	13.0	1	10.9	2	4.0	1	2.4	1	1.2	0	0.0
HOMICIDE	0	0.0	0	0.0	1	10.9	2	4.0	1	2.4	1	1.2	0	0.0
ALL OTHER CAUSES (RESIDUAL)	6	75.0	2	26.0	10	101.2	16	32.3	6	14.3	16	20.0	6	21.3

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (con't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	RITCHIE		ROANE		SUMMERS		TAYLOR		TUCKER		TYLER		UPSHUR	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	18.3	1	5.2	1	7.2	1	5.1	1	11.6	1	7.7	3	11.5
TOTAL DEATHS, ALL CAUSES	145	13.3	148	9.7	162	10.6	186	11.8	86	10.6	115	11.0	220	9.5
DEATHS UNDER 1 YEAR	2	18.3	0	0.0	0	0.0	3	15.2	0	0.0	2	15.4	3	11.5
DEATHS UNDER 28 DAYS	1	9.2	0	0.0	0	0.0	1	5.1	0	0.0	2	15.4	1	3.8
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SEPTICEMIA	2	18.3	0	0.0	4	26.1	1	6.4	0	0.0	0	0.0	0	0.0
MALIGNANT NEOPLASMS	50	275.2	39	254.9	32	209.2	37	235.7	21	259.3	23	219.0	47	203.5
--OF DIGESTIVE ORGANS AND PERITONEUM	6	55.0	11	71.9	5	32.7	6	38.2	5	61.7	3	28.6	12	51.9
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	8	73.4	14	91.5	10	65.4	12	76.4	8	98.8	7	66.7	10	43.3
--OF GENITOURINARY ORGANS	5	45.9	3	19.6	4	26.1	5	31.8	4	49.4	3	28.6	9	39.0
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	1	9.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.3
DIABETES MELLITUS	5	45.9	2	13.1	2	13.1	5	31.8	2	24.7	3	28.6	1	4.3
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	1	6.5	1	6.4	0	0.0	1	9.5	0	0.0
ANEMIAS	0	0.0	0	0.0	1	6.5	0	0.0	0	0.0	1	9.5	0	0.0
MAJOR CARDIOVASCULAR DISEASES	65	596.3	63	411.8	79	516.3	105	668.8	36	444.4	52	495.2	116	502.2
DISEASES OF THE HEART	50	458.7	44	287.6	62	405.2	86	547.8	26	321.0	43	409.5	99	428.6
HYPERTENSION	1	9.2	0	0.0	1	6.5	1	6.4	0	0.0	0	0.0	1	4.3
CEREBROVASCULAR DISEASE	10	91.7	18	117.6	13	85.0	12	76.4	10	123.5	8	76.2	10	43.3
ARTERIOSCLEROSIS	3	27.5	0	0.0	1	6.5	3	19.1	0	0.0	1	9.5	2	8.7
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	1	9.2	1	6.5	2	13.1	3	19.1	0	0.0	0	0.0	4	17.3
PNEUMONIA AND INFLUENZA	2	18.3	5	32.7	8	52.3	7	44.6	4	49.4	8	76.2	8	34.6
PNEUMONIA	2	18.3	5	32.7	8	52.3	7	44.6	4	49.4	6	57.1	8	34.6
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	19.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	12	110.1	7	45.8	5	32.7	8	51.0	4	49.4	6	57.1	4	17.3
BRONCHITIS, EMPHYSEMA, AND ASTHMA	1	9.2	3	19.6	0	0.0	1	6.4	1	12.3	3	28.6	1	4.3
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	1	9.2	0	0.0	1	6.5	0	0.0	1	12.3	0	0.0	4	17.3
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	8.7
ULCER OF STOMACH AND DUODENUM	0	0.0	2	13.1	0	0.0	0	0.0	0	0.0	0	0.0	1	4.3
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	0	0.0	0	0.0	0	0.0	1	12.3	0	0.0	1	4.3
CHRONIC LIVER DISEASE AND CIRRHOSIS	0	0.0	4	26.1	1	6.5	1	6.4	1	12.3	1	9.5	0	0.0
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	0	0.0	2	13.1	2	13.1	0	0.0	0	0.0	2	19.0	5	21.6
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	1	6.4	1	12.3	1	9.5	0	0.0
CONGENITAL ANOMALIES	1	9.2	0	0.0	1	6.5	1	6.4	2	24.7	2	19.0	3	13.0
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	9.2	0	0.0	0	0.0	1	6.4	0	0.0	1	9.5	0	0.0
BIRTH TRAUMA, ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	9.5	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	0	0.0	0	0.0	0	0.0	1	6.4	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	2	18.3	0	0.0	0	0.0	1	6.4	0	0.0	0	0.0	2	8.7
ACCIDENTS, ALL FORMS	9	82.6	16	104.6	4	26.1	8	51.0	7	86.4	3	28.6	10	43.3
MOTOR VEHICLE ACCIDENTS	6	55.0	10	65.4	3	19.6	3	19.1	5	61.7	0	0.0	6	26.0
HOME ACCIDENTS	2	18.3	3	19.6	0	0.0	1	6.4	1	12.3	2	19.0	3	13.0
WORK ACCIDENTS	0	0.0	0	0.0	0	0.0	0	0.0	1	12.3	0	0.0	1	4.3
SUICIDE	0	0.0	2	13.1	3	19.6	1	6.4	1	12.3	3	28.6	1	4.3
HOMICIDE	0	0.0	3	19.6	1	6.5	0	0.0	0	0.0	2	19.0	0	0.0
ALL OTHER CAUSES (RESIDUAL)	14	128.4	3	19.6	17	111.1	8	51.0	5	61.7	6	57.1	16	69.3

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY COUNTY
WEST VIRGINIA, 1989
Table 36 (con't)

SELECTED CAUSES OF DEATH	NUMBER AND RATE BY COUNTY													
	WAYNE		WEBSTER		WETZEL		WIRT		WOOD		WYOMING		TOTAL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	3.9	0	0.0	4	16.2	0	0.0	8	7.1	2	5.4	202	9.2
TOTAL DEATHS, ALL CAUSES	172	8.5	139	10.5	218	10.6	49	9.6	916	10.1	230	7.1	19,525	10.4
DEATHS UNDER 1 YEAR	6	11.7	0	0.0	1	4.0	0	0.0	13	11.5	3	8.1	208	9.4
DEATHS UNDER 28 DAYS	2	3.9	0	0.0	1	4.0	0	0.0	8	7.1	0	0.0	138	6.3
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	1	1.1	0	0.0	12	0.6
SEPTICEMIA	1	4.5	2	17.7	3	14.6	0	0.0	7	7.7	0	0.0	169	9.0
MALIGNANT NEOPLASMS	72	160.4	23	203.5	58	282.7	9	176.5	204	224.4	36	110.4	4,400	234.4
OF DIGESTIVE ORGANS AND PERITONEUM	15	34.2	7	61.9	14	68.8	4	78.4	49	53.9	9	27.6	985	52.5
OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	22	50.2	5	39.2	16	77.7	3	58.8	69	75.9	16	49.1	1,436	76.5
OF GENITOURINARY ORGANS	10	22.8	3	26.5	5	24.3	1	19.6	24	26.4	1	3.1	582	31.0
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	1	2.3	0	0.0	2	9.7	0	0.0	5	5.5	0	0.0	46	2.5
DIABETES MELLITUS	11	25.1	0	0.0	6	29.1	0	0.0	33	36.3	6	18.4	503	26.8
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	0	0.0	0	0.0	2	2.2	2	6.1	32	1.7
ANEMIA	0	0.0	2	17.7	0	0.0	0	0.0	2	2.2	1	3.1	34	1.8
MENTAL DISORDERS	1	2.3	0	0.0	0	0.0	0	0.0	2	2.2	1	3.1	34	1.8
DRUG DEPENDENCE	1	2.3	0	0.0	0	0.0	0	0.0	2	2.2	1	3.1	34	1.8
ALCOHOLISM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ALCOHOLIC PSYCHOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ALCOHOL DEPENDENCE SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
NONPSYCHOTIC ALCOHOLIC DISORDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
DRUG PSYCHOSES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
NONDEPENDENT ABUSE OF DRUGS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
NONPSYCHOTIC MENTAL DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ORGANIC PSYCHOTIC CONDITIONS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
OTHER PSYCHOSES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
SCHIZOPHRENIC DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
AFFECTIVE PSYCHOSES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PARANOID STATES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PSYCHOSES WITH ORIGIN SPECIFIC TO PERINATAL PERIOD	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
OTHER PSYCHOSES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
UNSPECIFIED PSYCHOSES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
NEUROTIC DISORDERS, PERSONALITY DISORDERS AND OTHER NONPSYCHOTIC MENTAL DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
NEUROTIC DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ANXIETY DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
OBSESSIVE-COMPULSIVE DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
DISSOCIATIVE DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
SOMATOFORM DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PSYCHOSEXUAL DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PSYCHOSEXUAL DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PERSONALITY DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
SPECIAL SYMPTOMS OR SYNDROMES, NOT ELSEWHERE CLASSIFIED	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PHYSICAL CONDITIONS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
MENTAL DISORDERS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ACUTE RHEUMATIC FEVER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CHRONIC RHEUMATIC HEART DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
HYPERTENSION	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CEREBROVASCULAR DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ATHEROSCLEROSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
OTHER DISEASES OF CIRCULATORY SYSTEM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ARTERIOSCLEROSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PNEUMONIA AND INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PNEUMONIA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
BRONCHITIS, EMPHYSEMA, AND ASTHMA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ULCER OF STOMACH AND DUODENUM	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CHRONIC LIVER DISEASE AND CIRRHOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CONGENITAL ANOMALIES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	11	0.6
ACCIDENTS, ALL FORMS	8	18.3	0	0.0	2	9.7	0	0.0	41	45.1	1	3.1	164	8.7
MOTOR VEHICLE ACCIDENTS	21	47.9	8	70.8	12	58.3	3	58.8	38	41.8	16	49.1	934	49.8
HOME ACCIDENTS	15	34.2	3	26.5	1	4.9	0	0.0	23	25.3	11	33.7	477	25.4
WORK ACCIDENTS	4	9.1	0	0.0	2	9.7	2	39.2	8	8.8	3	9.2	186	9.9
SUICIDE	1	2.3	1	8.8	2	9.7	0	0.0	1	1.1	1	3.1	51	2.7
HOMICIDE	2	4.6	0	0.0	6	29.1	0	0.0	9	9.9	2	6.1	230	12.3
ALL OTHER CAUSES (RESIDUAL)	1	2.3	1	8.8	0	0.0	0	0.0	2	2.2	5	15.3	137	7.3
	24	54.8	12	106.2	16	77.7	2	39.2	88	96.8	5	15.3	1,487	79.2

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY CITY
WEST VIRGINIA, 1989
Table 37

SELECTED CAUSES OF DEATH	NUMBER AND RATE FOR LEADING CITIES															
	BECKLEY		BLUEFIELD		CHARLESTON		CLARKSBURG		FAIRMONT		HUNTINGTON		MARTINSBURG		MORGANTOWN	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	4	16.6	0	0.0	8	10.5	1	4.4	0	0.0	6	7.7	3	10.5	2	6.2
TOTAL DEATHS, ALL CAUSES	325	15.9	217	13.5	819	12.8	326	14.6	327	13.7	818	12.8	253	19.4	271	9.8
DEATHS UNDER 1 YEAR	3	12.4	1	6.4	10	13.1	2	8.7	7	26.9	6	7.7	4	13.9	1	3.1
DEATHS UNDER 28 DAYS	3	12.4	1	6.4	7	9.2	2	8.7	2	7.7	4	5.2	4	13.9	1	3.1
INTESTINAL INFECTIOUS DISEASES	1	4.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
TUBERCULOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SEPTICEMIA	3	14.6	2	12.5	10	15.6	2	8.9	2	8.4	9	14.1	1	7.7	4	14.5
MALIGNANT NEOPLASMS	63	307.4	57	354.9	193	301.7	78	348.7	66	276.6	180	282.6	46	352.1	56	202.9
--OF DIGESTIVE ORGANS AND PERITONEUM	23	112.2	10	62.3	47	73.5	21	93.9	19	79.6	38	59.7	10	76.6	9	32.6
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	15	73.2	20	124.5	63	98.5	19	84.9	16	67.0	65	102.1	18	137.8	13	47.1
--OF GENITOURINARY ORGANS	7	34.2	8	49.8	24	37.5	10	44.7	12	50.3	28	44.0	2	15.3	9	32.6
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	1	4.9	0	0.0	0	0.0	4	17.9	3	12.6	2	3.1	0	0.0	1	3.6
DIABETES MELLITUS	10	48.8	3	18.7	16	25.0	8	35.8	10	41.9	22	34.5	3	23.0	12	43.5
NUTRITIONAL DEFICIENCIES	0	0.0	0	0.0	2	3.1	0	0.0	0	0.0	3	4.7	0	0.0	1	3.6
ANEMIAS	0	0.0	1	6.2	1	1.6	0	0.0	1	4.2	0	0.0	0	0.0	0	0.0
MAJOR CARDIOVASCULAR DISEASES	159	775.9	97	604.0	363	567.5	152	679.5	153	641.2	395	620.2	136	041.1	129	467.3
DISEASES OF THE HEART	136	663.7	81	504.4	287	448.7	129	554.3	128	536.4	316	496.2	104	796.1	87	315.2
HYPERTENSION	0	0.0	0	0.0	4	6.3	1	4.5	2	8.4	7	11.0	2	15.3	1	3.6
CEREBROVASCULAR DISEASES	20	97.6	12	74.7	60	93.8	21	93.9	19	79.6	57	89.5	21	160.8	22	79.7
ARTERIOSCLEROSIS	1	4.9	0	0.0	3	4.7	4	17.9	1	4.2	4	6.3	4	30.6	14	50.7
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	9.8	4	24.9	9	14.1	2	8.9	3	12.6	11	17.3	5	38.3	5	18.1
PNEUMONIA AND INFLUENZA	12	58.6	2	12.5	32	50.0	10	44.7	7	29.3	17	26.7	10	76.6	13	47.1
PNEUMOMIA	12	58.6	2	12.5	32	50.0	10	44.7	5	21.0	17	26.7	10	76.6	12	43.5
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	2	8.4	0	0.0	0	0.0	1	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	14	68.3	12	74.7	30	46.9	16	71.5	14	58.7	43	67.5	11	84.2	9	32.6
BRONCHITIS, EMPHYSEMA, AND ASTHMA	2	9.8	2	12.5	6	9.4	4	17.9	1	4.2	19	29.8	4	30.6	2	7.2
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	9	43.9	3	18.7	0	0.0	2	8.9	1	4.2	5	7.9	0	0.0	3	10.9
COAL WORKER'S PNEUMOCONIOSIS	6	29.3	3	18.7	0	0.0	1	4.5	1	4.2	2	3.1	0	0.0	0	0.0
ULCER OF STOMACH AND DUODENUM	2	9.8	0	0.0	2	3.1	0	0.0	1	4.2	1	1.6	1	7.7	0	0.0
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	6.2	1	1.6	2	8.9	2	8.4	2	3.1	0	0.0	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	4	19.5	0	0.0	14	21.9	1	4.5	5	21.0	11	17.3	1	7.7	2	7.2
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	1	6.2	1	1.6	0	0.0	1	4.2	3	4.7	0	0.0	0	0.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	3	14.6	2	12.5	12	18.8	2	8.9	7	29.3	7	11.0	7	53.6	2	7.2
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	0	0.0	0	0.0
CONGENITAL ANOMALIES	2	9.8	1	6.2	2	3.1	1	4.5	3	12.6	4	6.3	3	23.0	1	3.6
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	4.9	0	0.0	6	9.4	1	4.5	1	4.2	3	4.7	1	7.7	1	3.6
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	1	1.6	0	0.0	0	0.0	0	0.0	1	7.7	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	1	4.9	0	0.0	2	3.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	1	4.9	2	12.5	5	7.8	2	8.9	2	8.4	11	17.3	1	7.7	4	14.5
ACCIDENTS, ALL FORMS	7	34.2	6	37.4	33	51.6	9	40.2	8	33.5	23	36.1	11	84.2	9	32.6
MOTOR VEHICLE ACCIDENTS	1	4.9	3	18.7	17	26.6	3	13.4	1	4.2	7	11.0	6	45.9	5	18.1
HOME ACCIDENTS	5	24.4	2	12.5	8	12.5	2	8.9	1	4.2	9	14.1	1	7.7	1	3.6
WORK ACCIDENTS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	3.6
SUICIDE	4	19.5	3	18.7	6	9.4	2	8.9	4	16.8	9	14.1	3	23.0	2	7.2
HOMICIDE	2	9.8	2	12.5	7	10.9	0	0.0	10	41.9	5	7.9	1	7.7	0	0.0
ALL OTHER CAUSES (RESIDUAL)	27	131.8	22	137.0	83	129.8	34	152.0	26	109.0	62	97.4	17	130.1	22	79.7

SELECTED CAUSES OF RESIDENT DEATHS: NUMBER AND RATE BY CITY
WEST VIRGINIA, 1989
Table 37 (cont'd)

SELECTED CAUSES OF DEATH	NUMBER AND RATE FOR LEADING CITIES													
	MOUNDSVILLE		PARKERSBURG		SAINT ALBANS		SO CHARLESTON		VIENNA		WEIRTON		WHEELING	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
FETAL DEATHS	2	16.2	4	7.7	3	19.0	0	0.0	0	0.0	1	5.5	1	2.2
TOTAL DEATHS, ALL CAUSES	165	17.3	553	13.8	151	12.2	163	10.2	116	10.0	238	9.6	564	13.1
DEATHS UNDER 1 YEAR	1	7.6	8	15.3	1	6.3	1	5.8	0	0.0	1	5.5	0	0.0
DEATHS UNDER 28 DAYS	1	7.6	4	7.7	1	6.3	1	5.8	0	0.0	0	0.0	0	0.0
INTESTINAL INFECTIOUS DISEASES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3
TUBERCULOSIS	0	0.0	1	2.5	0	0.0	0	0.0	0	0.0	1	4.0	4	9.3
SEPTICEMIA	4	32.2	1	2.5	1	8.1	3	18.8	2	17.2	1	4.0	4	9.3
MALIGNANT NEOPLASMS	39	314.0	122	305.3	38	306.4	49	306.9	28	241.0	54	218.3	131	304.2
--OF DIGESTIVE ORGANS AND PERITONEUM	7	56.4	32	80.1	6	48.4	12	75.2	6	51.6	8	32.3	33	76.6
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	14	112.7	38	95.1	16	129.0	17	106.5	10	86.1	17	68.7	38	88.2
--OF GENITOURINARY ORGANS	4	32.2	17	42.5	5	40.3	3	18.8	2	17.2	8	32.3	23	53.4
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	0	0.0	3	7.5	1	8.1	0	0.0	0	0.0	1	4.0	1	2.3
DIABETES MELLITUS	10	80.5	17	42.5	1	8.1	7	43.8	6	51.6	10	40.4	11	25.5
NUTRITIONAL DEFICIENCIES	1	8.1	2	5.0	0	0.0	0	0.0	0	0.0	0	0.0	1	2.3
ANEMIAS	0	0.0	1	2.5	0	0.0	1	6.3	0	0.0	0	0.0	4	9.3
MAJOR CARDIOVASCULAR DISEASES	77	636.1	232	580.5	72	580.6	70	438.4	56	482.0	127	513.4	274	636.2
DISEASES OF THE HEART	68	547.5	197	492.9	58	467.7	61	382.0	47	404.5	97	392.1	224	520.1
HYPERTENSION	0	0.0	3	7.5	0	0.0	0	0.0	1	8.6	1	4.0	3	7.0
CEREBROVASCULAR DISEASES	9	72.5	20	50.0	6	48.4	8	50.1	6	51.6	22	88.9	29	67.3
ARTERIOSCLEROSIS	0	0.0	6	15.0	5	40.3	0	0.0	1	8.6	4	16.2	9	20.9
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	2	16.1	6	15.0	3	24.2	1	6.3	1	8.6	3	12.1	9	20.9
PNEUMONIA AND INFLUENZA	6	69.4	19	47.5	3	24.2	3	18.8	3	25.8	7	28.3	25	58.0
PNEUMONIA	6	69.4	19	47.5	3	24.2	3	18.8	3	25.8	7	28.3	25	58.0
INFLUENZA	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	6	48.3	19	47.5	6	68.9	7	43.8	4	34.4	13	52.6	30	69.7
BRONCHITIS, EMPHYSEMA, AND ASTHMA	2	16.1	3	7.5	2	16.1	2	12.5	0	0.0	1	4.0	8	18.6
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	0	0.0	2	5.0	1	8.1	0	0.0	0	0.0	1	4.0	2	4.6
COAL WORKER'S PNEUMOCONIOSIS	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
ULCER OF STOMACH AND DUODENUM	0	0.0	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0	2	4.6
HERNIA AND INTESTINAL OBSTRUCTION	0	0.0	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
CHRONIC LIVER DISEASE AND CIRRHOSIS	0	0.0	3	7.5	2	16.1	4	25.1	0	0.0	1	4.0	8	18.6
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	0	0.0	1	2.5	0	0.0	0	0.0	0	0.0	1	4.0	1	2.3
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	2	16.1	4	10.0	2	16.1	1	6.3	0	0.0	4	16.2	1	2.3
INFECTIONS OF KIDNEY	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	4.0	0	0.0
CONGENITAL ANOMALIES	1	8.1	6	15.0	0	0.0	1	6.3	1	8.6	0	0.0	3	7.0
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	8.1	2	5.0	1	8.1	0	0.0	0	0.0	1	4.0	0	0.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	1	8.1	1	2.5	0	0.0	0	0.0	0	0.0	1	4.0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	0	0.0	34	85.1	1	8.1	0	0.0	1	8.6	3	12.1	1	2.3
ACCIDENTS, ALL FORMS	5	40.3	19	47.5	4	32.3	5	31.3	5	43.0	4	16.2	15	34.8
MOTOR VEHICLE ACCIDENTS	1	8.1	11	27.5	1	8.1	2	12.5	4	34.4	2	8.1	6	13.9
HOME ACCIDENTS	0	0.0	4	10.0	1	8.1	1	6.3	1	8.6	0	0.0	2	4.6
WORK ACCIDENTS	2	16.1	0	0.0	0	0.0	0	0.0	0	0.0	1	4.0	2	4.6
SUICIDE	1	8.1	6	15.0	2	16.1	5	31.3	0	0.0	3	12.1	4	9.3
HOMICIDE	0	0.0	1	2.5	2	16.1	0	0.0	0	0.0	1	4.0	0	0.0
ALL OTHER CAUSES (RESIDUAL)	8	64.4	56	140.1	14	112.9	7	43.8	10	86.1	5	20.2	45	104.5

SELECTED CAUSES OF RESIDENT DEATHS BY RACE AND SEX
WEST VIRGINIA, 1989
Table 38

SELECTED CAUSES OF DEATH	TOTAL	WHITE		NONWHITE	
		MALE	FEMALE	MALE	FEMALE
FETAL DEATHS	202	110	81	8	3
TOTAL DEATHS, ALL CAUSES	19,525	9,845	8,900	407	373
DEATHS UNDER 1 YEAR	208	108	90	4	6
DEATHS UNDER 28 DAYS	138	69	64	1	4
INTESTINAL INFECTIOUS DISEASES	1	0	0	0	1
TUBERCULOSIS	12	8	2	2	0
SEPTICEMIA	169	70	92	3	4
MALIGNANT NEOPLASMS	4,400	2,278	1,960	91	71
--OF DIGESTIVE ORGANS AND PERITONEUM	985	487	448	25	25
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1,436	923	468	30	15
--OF GENITOURINARY ORGANS	582	290	273	15	4
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	46	16	30	0	0
DIABETES MELLITUS	503	179	294	10	20
NUTRITIONAL DEFICIENCIES	32	14	16	1	1
ANEMIAS	34	11	20	1	2
MAJOR CARDIOVASCULAR DISEASES	8,957	4,336	4,270	166	185
DISEASES OF THE HEART	7,306	3,665	3,355	145	141
HYPERTENSION	89	34	50	2	3
CEREBROVASCULAR DISEASES	1,187	451	685	15	36
ARTERIOSCLEROSIS	164	62	99	2	1
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	211	124	81	2	4
PNEUMONIA AND INFLUENZA	631	312	297	12	10
PNEUMONIA	617	304	291	12	10
INFLUENZA	14	8	6	0	0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	888	498	365	19	6
BRONCHITIS, EMPHYSEMA, AND ASTHMA	181	90	87	2	2
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	160	127	25	8	0
COAL WORKER'S PNEUMOCONIOSIS	93	86	0	7	0
ULCER OF STOMACH AND DUODENUM	48	27	20	1	0
HERNIA AND INTESTINAL OBSTRUCTION	44	21	21	0	2
CHRONIC LIVER DISEASE AND CIRRHOSIS	185	115	63	5	2
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	34	12	21	0	1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	227	104	107	9	7
INFECTIONS OF KIDNEY	14	7	7	0	0
CONGENITAL ANOMALIES	104	43	56	1	4
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	49	33	0	2
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	20	16	4	0	0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	22	11	11	0	0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	164	89	69	2	4
ACCIDENTS, ALL FORMS	934	584	314	22	14
MOTOR VEHICLE ACCIDENTS	477	308	157	7	5
HOME ACCIDENTS	186	107	70	6	3
WORK ACCIDENTS	51	49	1	1	0
SUICIDE	230	198	26	5	1
HOMICIDE	137	81	37	15	4
ALL OTHER CAUSES (RESIDUAL)	1,487	666	755	34	32

SELECTED CAUSES OF RESIDENT DEATHS BY AGE GROUPS
WEST VIRGINIA, 1989
Table 39

SELECTED CAUSES OF DEATH	TOTAL	AGE IN YEARS												AVERAGE AGE AT DEATH*
		LESS THAN ONE	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 AND OVER	UNKNOWN	
TOTAL DEATHS, ALL CAUSES	19,525	208	48	30	40	305	351	573	1,019	2,562	4,795	5,771	3,820	5	70.8
DEATHS UNDER 1 YEAR	208	208	0	0	0	0	0	0	0	0	0	0	0	0	0.1
DEATHS UNDER 28 DAYS	138	138	0	0	0	0	0	0	0	0	0	0	0	0	0.0
INTESTINAL INFECTIOUS DISEASES	1	0	0	0	0	0	0	0	0	0	0	0	1	0	95.0
TUBERCULOSIS	12	0	0	0	0	0	0	0	0	1	2	8	1	0	77.8
SEPTICEMIA	169	1	1	1	1	1	1	1	7	15	44	51	45	0	74.5
MALIGNANT NEOPLASMS	5,488	3	2	3	4	14	36	124	368	855	1,455	1,163	392	1	69.0
--OF DIGESTIVE ORGANS AND PERITONEUM	945	1	0	0	0	1	5	24	53	147	340	289	125	0	71.4
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1,436	0	0	0	0	1	1	24	120	341	537	344	66	0	68.2
--OF GENITOURINARY ORGANS	582	0	0	0	0	2	6	14	35	90	177	185	70	1	71.2
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	96	1	0	0	0	0	1	1	3	4	11	19	6	0	71.0
DIABETES MELLITUS	503	0	0	0	0	1	1	6	15	22	69	144	173	72	0	72.5
NUTRITIONAL DEFICIENCIES	52	0	0	0	0	0	0	0	1	3	3	10	15	0	81.7
ANEMIAS	54	1	0	0	0	0	1	0	0	2	3	6	11	10	0	73.3
MAJOR CARDIOVASCULAR DISEASES	8,957	6	4	0	4	9	36	132	358	1,060	2,105	2,919	2,321	1	75.6
DISEASES OF THE HEART	7,306	4	4	0	4	7	29	105	321	929	1,783	2,301	1,815	1	75.1
HYPERTENSION	69	0	0	0	0	0	0	1	1	9	20	34	22	0	76.1
CEREBROVASCULAR DISEASES	1,167	0	0	0	0	1	3	22	27	92	232	446	358	0	77.8
ARTERIOSCLEROSIS	164	0	0	0	0	0	0	0	2	15	17	48	82	0	82.5
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	211	0	0	0	0	1	3	1	7	15	51	90	44	0	75.8
PNEUMONIA AND INFLUENZA	521	2	1	0	0	1	2	6	12	35	86	221	253	0	79.7
PNEUMONIA	507	2	1	0	0	0	2	6	11	35	86	219	252	0	80.0
INFLUENZA	14	0	0	1	0	1	0	0	1	0	0	2	7	0	66.6
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	849	0	0	0	0	1	1	0	4	23	127	306	387	0	73.1
BRONCHITIS, EMPHYSEMA, AND ASTHMA	181	0	0	0	0	1	1	0	3	0	29	72	52	13	0	69.8
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENTS	165	0	0	0	0	0	0	0	2	3	16	53	65	24	0	76.8
COAL WORKERS' PNEUMOCONIOSIS	43	0	0	0	0	0	0	0	0	2	11	20	10	0	0	76.0
ULCER OF STOMACH AND DUODENUM	68	0	0	0	0	0	0	0	0	2	5	13	28	8	0	76.2
HERNIA AND INTESTINAL OBSTRUCTION	84	0	0	0	0	0	0	0	1	3	10	16	13	0	0	76.5
CHRONIC LIVER DISEASE AND CIRRHOSIS	185	0	0	0	0	0	0	22	50	62	53	28	9	0	61.2
CHOLELITHIASES AND OTHER DISORDERS OF THE GALLBLADDER	54	0	0	0	0	0	0	0	1	0	9	13	11	0	80.3
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	227	1	0	0	0	0	0	2	6	19	40	75	69	0	76.3
INFECTIONS OF KIDNEY	76	0	0	0	0	1	0	0	1	4	6	2	0	0	73.8
CONGENITAL ANOMALIES	104	84	7	1	1	1	3	5	4	5	0	2	1	0	15.0
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	82	0	0	0	0	0	0	0	0	0	0	0	2	0.0
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	20	19	0	0	0	0	0	0	0	0	0	0	0	1	0.0
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0.0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	109	31	2	0	2	0	3	5	7	14	22	40	42	1	59.8
ACCIDENTS, ALL FORMS	934	8	21	18	18	190	137	109	69	81	72	131	80	0	46.2
MOTOR VEHICLE ACCIDENTS	477	4	11	10	13	145	97	63	38	31	28	31	6	0	35.6
HOME ACCIDENTS	186	3	6	5	1	13	13	20	6	19	20	50	32	0	60.2
WORK ACCIDENTS	51	0	0	0	0	5	12	17	9	6	1	1	0	0	40.3
SUICIDE	230	0	0	0	4	30	49	45	22	26	27	26	1	0	45.8
HOMICIDE	137	0	1	0	0	28	31	38	14	12	7	4	2	0	38.8
ALL OTHER CAUSES (RESIDUAL)	1,487	10	5	6	4	22	31	60	82	166	310	469	321	0	71.2

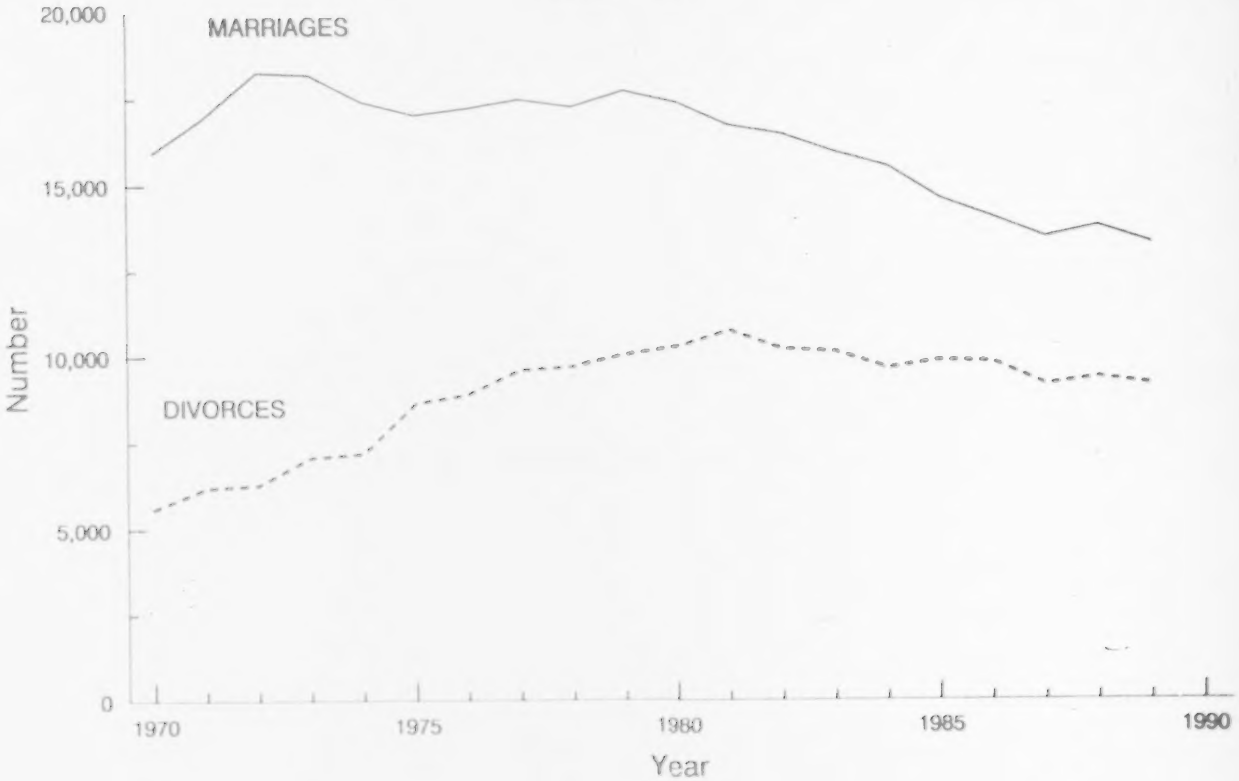
* DEATHS IN THE UNKNOWN COLUMN HAVE NOT BEEN USED IN COMPUTING THE AVERAGE AGES AT DEATH.

SELECTED CAUSES OF RESIDENT DEATHS BY MONTH OF OCCURRENCE
WEST VIRGINIA, 1989
Table 40

SELECTED CAUSES OF DEATH	TOTAL	NUMBER OF DEATHS PER MONTH											
		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
FETAL DEATHS	202	30	12	13	24	13	13	16	17	26	19	10	9
TOTAL DEATHS, ALL CAUSES	19,525	1,725	1,696	1,826	1,601	1,586	1,456	1,501	1,570	1,517	1,630	1,588	1,829
DEATHS UNDER 1 YEAR	208	25	11	19	25	14	10	16	15	18	19	21	15
DEATHS UNDER 28 DAYS	138	14	9	14	20	8	6	11	8	10	15	15	8
INTESTINAL INFECTIOUS DISEASES	1	0	0	0	0	0	0	0	0	1	0	0	0
TUBERCULOSIS	12	0	1	2	1	3	0	2	2	0	0	0	1
SEPTICEMIA	169	15	13	12	12	18	13	14	13	16	18	7	18
MALIGNANT NEOPLASMS	4,400	377	341	364	368	367	376	367	393	371	368	353	355
--OF DIGESTIVE ORGANS AND PERITONEUM	985	84	73	73	85	82	76	83	90	91	85	85	78
--OF RESPIRATORY SYSTEM AND INTRATHORACIC ORGANS	1,436	116	122	127	119	126	127	117	129	108	116	122	107
--OF GENITOURINARY ORGANS	582	51	50	33	46	46	55	46	59	58	53	41	44
BENIGN NEOPLASMS, CARCINOMA IN SITU, AND NEOPLASM OF UNSPECIFIED NATURE	46	2	5	3	6	1	4	3	3	3	8	5	3
DIABETES MELLITUS	503	48	58	60	32	33	31	37	43	40	39	36	46
NUTRITIONAL DEFICIENCIES	32	2	0	5	3	3	2	5	2	3	3	2	2
ANEMIAS	34	2	4	3	0	5	4	2	4	3	3	1	3
MAJOR CARDIOVASCULAR DISEASES	8,957	808	789	869	733	722	653	659	720	647	745	738	874
DISEASES OF THE HEART	7,506	661	629	714	572	587	551	546	598	535	617	606	710
HYPERTENSION	89	8	9	11	5	7	10	3	9	3	9	6	9
CEREBROVASCULAR DISEASES	1,187	103	119	106	122	99	85	76	82	79	91	94	131
ARTERIOSCLEROSIS	164	18	13	18	17	18	9	15	12	15	8	12	9
OTHER DISEASES OF ARTERIES, ARTERIOLES, AND CAPILLARIES	211	18	19	20	17	11	18	19	19	15	20	20	15
PNEUMONIA AND INFLUENZA	631	66	76	77	45	50	25	36	37	41	44	57	77
PNEUMONIA	617	63	71	73	43	50	25	36	37	41	44	57	77
INFLUENZA	14	3	5	4	2	0	0	0	0	0	0	0	0
CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND ALLIED CONDITIONS	888	89	91	99	73	66	68	62	69	64	72	53	82
BRONCHITIS, EMPHYSEMA, AND ASTHMA	181	16	24	19	17	9	11	9	11	14	13	15	23
PNEUMOCONIOSIS AND OTHER LUNG DISEASES DUE TO EXTERNAL AGENT	160	9	15	14	14	14	9	12	10	10	16	12	25
COAL WORKER'S PNEUMOCONIOSIS	93	3	10	9	9	4	7	6	7	5	6	8	19
ULCER OF STOMACH AND DUODENUM	48	3	4	3	3	4	5	2	7	4	5	2	6
HERNIA AND INTESTINAL OBSTRUCTION	44	2	4	6	3	6	5	4	2	3	3	2	4
CHRONIC LIVER DISEASE AND CIRRHOSIS	185	11	20	17	10	15	12	16	8	11	21	23	21
CHOLELITHIASIS AND OTHER DISORDERS OF THE GALLBLADDER	56	3	2	5	0	1	2	4	3	6	4	4	0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	227	18	22	17	13	19	18	18	21	16	26	20	19
INFECTIONS OF KIDNEY	14	2	0	2	1	1	1	2	1	1	0	1	2
CONGENITAL ANOMALIES	104	7	9	6	11	11	8	10	10	8	11	9	4
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	84	10	3	10	13	2	2	7	5	7	8	11	6
BIRTH TRAUMA OR ASPHYXIA, INTRAUTERINE HYPOXIA, AND RESPIRATORY DISTRESS SYNDROME	20	2	2	2	3	0	1	0	2	1	2	3	2
DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	22	5	1	2	2	0	1	2	1	3	3	2	0
SYMPTOMS, SIGNS, AND ILL-DEFINED CONDITIONS	164	21	18	14	12	11	9	13	13	11	10	9	23
ACCIDENTS, ALL FORMS	934	79	72	68	80	76	68	78	74	99	71	85	84
MOTOR VEHICLE ACCIDENTS	377	38	38	38	42	29	33	42	42	59	40	43	33
HOME ACCIDENTS	186	17	13	8	17	18	15	11	8	19	14	18	28
WORK ACCIDENTS	51	3	6	5	4	7	0	5	5	4	3	6	3
SUICIDE	230	21	23	17	25	18	15	26	11	17	17	15	25
HOMICIDE	137	9	9	10	19	10	16	15	7	10	8	16	8
ALL OTHER CAUSES (RESIDUAL)	1,487	121	117	143	124	130	110	107	112	125	130	127	141

MARRIAGES AND DIVORCES

MARRIAGES AND DIVORCES
West Virginia, 1970-1989
Exhibit 15

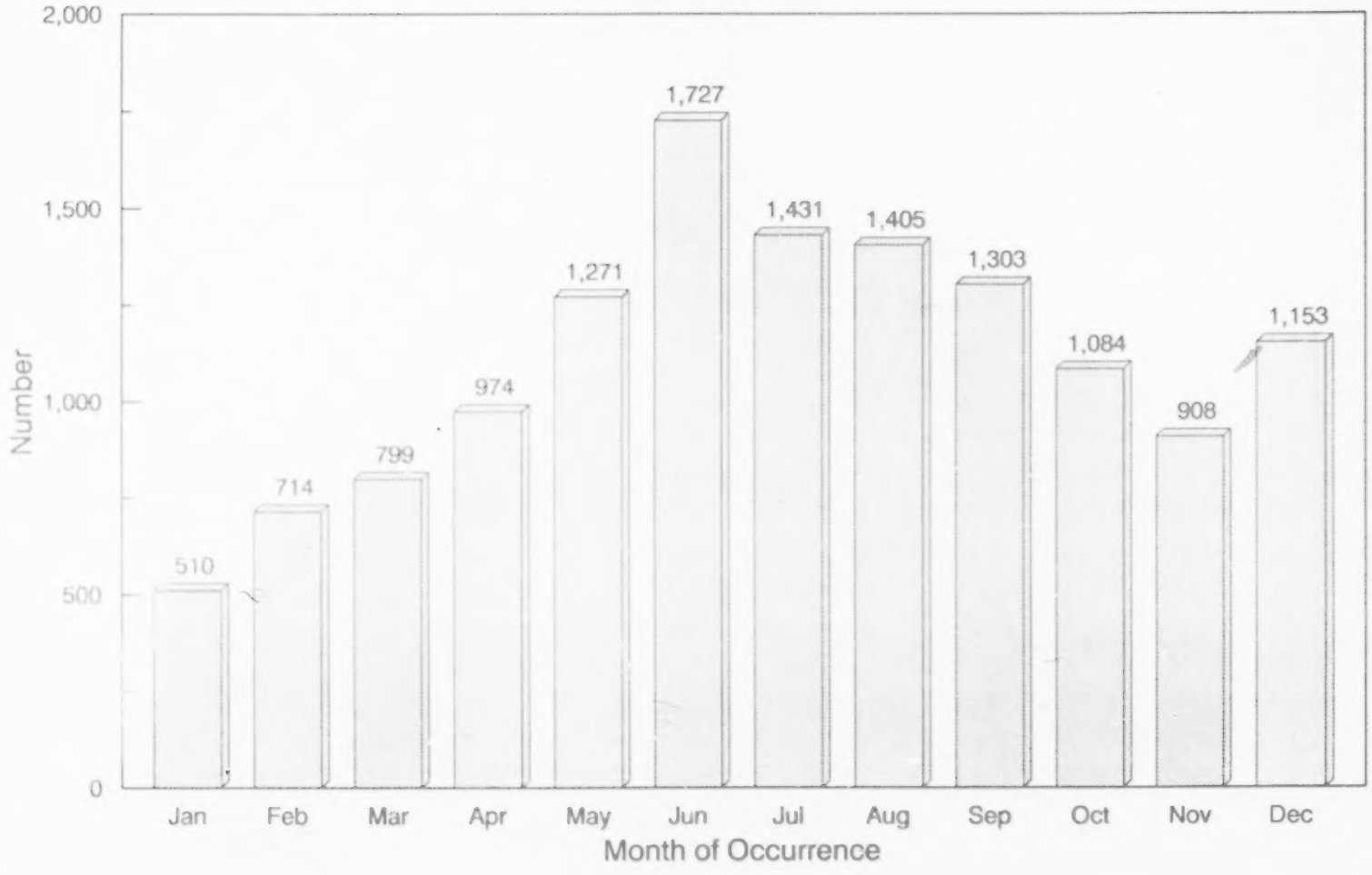


YEAR	MARRIAGES	DIVORCES AND ANNULMENTS
1970	15,948	5,584
1971	16,987	6,178
1972	18,270	6,270
1973	18,199	7,056
1974	17,409	7,176
1975	17,041	8,632
1976	17,229	8,893
1977	17,484	9,605
1978	17,275	9,698
1979	17,738	10,046
1980	17,391	10,273
1981	16,721	10,748
1982	16,467	10,198
1983	15,930	10,113
1984	15,513	9,625
1985	14,580	9,851
1986	14,033	9,804
1987	13,455	9,141
1988	13,768	9,352
1989	13,279	9,154

MARRIAGES BY MONTH OF OCCURRENCE BY COUNTY
WEST VIRGINIA, 1989
Table 41

COUNTY	MONTH OF MARRIAGE												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BARBOUR	4	6	7	10	10	11	19	10	9	11	9	3	109
BERKELEY	12	23	21	25	35	55	37	37	31	28	17	18	337
BOONE	9	10	12	20	18	22	19	27	22	10	15	15	199
BRAXTON	6	4	11	5	12	15	14	12	15	5	9	11	119
BROOKE	8	11	6	28	27	39	21	23	33	23	16	22	255
CABELL	50	58	51	44	79	94	61	75	61	65	56	64	726
CALHOUN	4	4	3	9	7	10	6	3	7	6	6	4	67
CLAY	5	4	6	10	9	12	10	9	7	7	16	10	105
DODDRIDGE	0	2	1	2	3	2	3	5	8	2	3	2	35
FAYETTE	18	22	12	22	33	35	39	36	33	24	32	32	356
GILMER	3	2	6	2	5	13	5	5	6	0	2	8	55
GRANT	3	0	4	6	7	12	5	8	7	4	7	6	71
GREENBRIER	5	11	12	16	21	31	31	29	21	18	12	18	225
HAMPSHIRE	3	4	3	10	16	10	11	11	8	6	9	4	85
HANCOCK	13	11	17	21	22	41	19	32	31	29	23	23	281
HARDY	5	4	1	11	6	7	14	4	5	4	3	11	75
HARRISON	19	28	36	35	46	59	58	51	53	52	31	42	516
JACKSON	10	9	15	22	19	22	17	21	20	25	26	17	220
JEFFERSON	7	8	13	16	31	31	25	22	27	22	18	27	250
KANAWHA	77	69	105	115	159	229	181	184	167	151	103	145	1,696
LEWIS	8	20	8	5	18	15	11	18	15	11	16	18	167
LINCOLN	9	14	14	17	23	28	21	24	18	6	9	20	196
LOGAN	17	11	21	29	28	34	28	38	28	26	25	31	325
MCDOWELL	7	4	10	13	11	23	16	14	12	6	10	10	131
MARION	43	28	33	32	42	45	52	42	32	38	40	48	463
MARSHALL	14	4	14	20	18	48	38	35	34	32	28	17	345
MASON	9	6	10	15	19	24	23	20	21	12	11	11	181
MERCER	23	20	26	30	30	31	33	37	38	45	32	26	422
MINERAL	10	9	13	13	16	21	21	21	18	15	8	12	197
MINGO	9	12	10	12	9	28	24	23	15	15	11	14	182
MONONGALIA	38	30	31	31	42	74	52	48	51	45	31	48	521
MONROE	3	3	5	5	6	14	11	6	4	3	3	4	67
MORGAN	3	2	3	12	5	14	4	4	3	2	3	7	68
NICHOLAS	7	5	8	14	11	23	19	18	11	14	11	21	197
OHIO	19	13	27	31	40	51	34	35	36	37	28	35	436
PENDLETON	3	0	0	6	3	12	8	8	3	5	2	6	60
PLEASANTS	3	2	5	3	8	7	9	11	11	5	5	8	76
POCAHONTAS	3	4	3	6	8	11	5	5	3	1	2	3	54
PRESTON	6	5	11	8	13	20	18	14	15	6	3	9	129
PUTNAM	9	13	15	17	18	31	30	22	20	26	23	31	278
RALEIGH	19	28	37	29	36	51	55	56	59	48	43	51	553
RANDOLPH	8	15	14	15	24	33	32	29	26	18	12	19	247
RITCHIE	4	3	6	3	6	11	10	11	11	6	6	5	97
ROANE	3	9	7	13	8	11	11	11	12	10	9	9	118
SUMMERS	1	6	2	5	5	11	8	5	6	6	2	5	70
TAYLOR	1	7	5	8	9	15	11	5	6	5	9	10	85
TUCKER	1	2	2	6	5	7	7	13	15	5	8	7	68
TYLER	4	6	5	5	7	8	11	7	8	7	6	8	72
UPSHUR	9	7	13	16	11	23	35	17	10	15	16	35	208
WAYNE	14	10	18	17	12	28	24	26	17	21	11	0	203
WEBSTER	2	4	8	4	11	9	6	7	4	5	6	4	72
WETZEL	11	7	9	14	15	22	21	11	16	16	8	14	164
WIRT	0	4	0	5	5	0	5	6	4	2	2	6	39
WOOD	31	58	70	70	86	86	84	90	98	67	63	89	894
WYOMING	4	12	11	14	19	21	21	17	15	16	15	14	179
OUT OF STATE	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	510	714	799	974	1,271	1,727	1,431	1,405	1,303	1,084	908	1,153	13,279

MARRIAGES BY MONTH OF OCCURRENCE
West Virginia, 1989
Exhibit 16



NUMBER OF MARRIAGES BY COUNTY
WEST VIRGINIA, 1985-1989
Table 42

COUNTY	1985	1986	1987	1988	1989	COUNTY	1985	1986	1987	1988	1989
BARBOUR	112	127	127	144	109	MONONGALIA	497	526	501	475	510
BERKELEY	279	296	337	350	337	MONROE	66	58	21	12	73
BOONE	288	237	201	189	199	MORGAN	65	73	66	73	80
BRAXTON	149	125	143	120	119	NICHOLAS	213	232	175	180	197
BROOKE	212	200	183	187	255	OHIO	531	530	487	471	450
CABELL	803	771	728	817	726	PENDLETON	59	68	42	60	60
CALHOUN	80	78	62	64	67	PLEASANTS	67	69	64	61	76
CLAY	102	87	107	108	103	POCAHONTAS	57	62	48	67	54
DODDRIDGE	57	61	54	59	35	PRESTON	130	148	137	172	129
FAYETTE	392	373	343	364	338	PUTNAM	310	287	324	284	278
GILMER	61	74	46	54	55	RALEIGH	634	574	562	585	553
GRANT	75	66	69	66	71	RANDOLPH	242	229	243	259	247
GREENBRIER	249	206	206	237	225	RITCHIE	95	93	98	107	97
HAMPSHIRE	88	95	97	116	88	ROANE	131	133	127	150	118
HANCOCK	325	302	311	299	281	SUMMERS	80	54	76	60	70
HARDY	87	87	90	82	73	TAYLOR	100	77	105	81	83
HARRISON	600	581	526	568	516	TUCKER	59	63	70	93	68
JACKSON	245	252	197	255	220	TYLER	98	73	89	91	72
JEFFERSON	220	211	216	208	250	UPSHUR	212	237	215	211	208
KANAWHA	2,068	1,976	1,807	1,797	1,698	WAYNE	227	205	214	219	203
LEWIS	182	174	157	153	147	WEBSTER	83	78	87	77	72
LINCOLN	210	185	184	185	198	WETZEL	173	168	155	172	164
LOGAN	358	361	341	312	323	WIRT	65	49	51	36	39
MCDOWELL	197	210	177	195	131	WOOD	994	906	925	938	894
MARION	484	434	419	433	481	WYOMING	224	218	184	216	179
MARSHALL	315	316	311	293	345	OUT-OF-STATE	8	0	0	0	0
MASON	218	199	243	217	181						
MERCER	398	397	393	398	422						
MINERAL	134	145	152	166	151	TOTAL	14,580	14,033	13,455	13,768	13,279
MINGO	212	197	162	199	161						

MARRIAGES BY AGE OF BRIDE AND GROOM
WEST VIRGINIA, 1989
Table 43

AGE OF BRIDE	AGE OF GROOM												
	10-14 YEARS	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS	50-54 YEARS	55-59 YEARS	60 & OVER YEARS	UNKNOWN	TOTAL
10-14 YEARS	0	2	6	0	0	0	0	0	0	0	0	0	8
15-19 YEARS	0	1,039	1,704	329	69	28	10	4	0	2	1	0	3,186
20-24 YEARS	0	245	2,228	1,280	333	119	39	17	0	3	1	0	4,265
25-29 YEARS	0	18	402	907	591	225	92	29	11	4	3	0	2,282
30-34 YEARS	0	6	92	272	408	305	151	69	20	6	5	0	1,334
35-39 YEARS	0	1	24	73	166	239	201	91	40	8	13	0	856
40-44 YEARS	0	0	9	24	41	100	141	107	60	24	25	0	531
45-49 YEARS	0	0	1	7	11	26	53	76	63	35	34	0	306
50-54 YEARS	0	0	0	1	3	4	12	23	43	31	65	0	182
54-59 YEARS	0	0	0	0	0	2	3	3	16	28	68	0	120
60 & OVER	0	0	0	0	0	0	1	2	5	9	192	0	209
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	1,311	4,466	2,893	1,622	1,048	703	421	258	150	407	0	13,279

MARRIAGES BY PREVIOUS MARITAL STATUS
WEST VIRGINIA, 1989
Table 44

BRIDE	GROOM					
	NEVER MARRIED	WIDOWED	DIVORCED	ANNULLED	NOT STATED	TOTAL
NEVER MARRIED	7,521	56	1,246	15	32	8,870
WIDOWED	50	201	186	1	1	439
DIVORCED	1,318	185	2,365	10	5	3,883
ANNULLED	18	4	16	3	0	41
NOT STATED	12	1	4	0	29	46
TOTAL	8,919	447	3,817	29	67	13,279

MARRIAGES BY NUMBER OF PREVIOUS MARRIAGES
WEST VIRGINIA, 1989
Table 45

BRIDE	GROOM						
	NEVER MARRIED	ONE PREVIOUS MARRIAGE	TWO PREVIOUS MARRIAGES	THREE PREVIOUS MARRIAGES	FOUR OR MORE PREVIOUS MARRIAGES	NOT STATED	TOTAL
NEVER MARRIED	7,521	1,143	178	18	8	2	8,870
ONE PREVIOUS MARRIAGE	1,177	1,577	428	84	22	4	3,292
TWO PREVIOUS MARRIAGES	179	430	219	54	9	0	891
THREE PREVIOUS MARRIAGES	30	90	37	22	5	0	184
FOUR OR MORE PREVIOUS MARRIAGES	10	11	6	4	3	0	34
NOT STATED	2	2	1	0	0	3	8
TOTAL	8,919	3,253	869	182	47	9	13,279

DIVORCES AND ANNULMENTS BY COUNTY OF OCCURRENCE
WEST VIRGINIA, 1989
Table 46

COUNTY	NUMBER OF DIVORCES	NUMBER OF ANNULMENTS	TOTAL	COUNTY	NUMBER OF DIVORCES	NUMBER OF ANNULMENTS	TOTAL
BARBOUR	97	2	99	MONONGALIA	338	2	340
BERKELEY	313	0	313	MONROE	53	0	53
BOONE	139	1	140	MORGAN	57	0	57
BRAXTON	95	0	95	NICHOLAS	143	1	144
BROOKE	117	0	117	OHIO	170	0	170
CABELL	549	1	550	PENDLETON	33	0	33
CALHOUN	36	0	36	PLEASANTS	40	0	40
CLAY	73	0	73	POCAHONTAS	46	0	46
DODDRIDGE	15	0	15	PRESTON	118	0	118
FAYETTE	231	2	233	PUTNAM	193	0	193
GILMER	30	0	30	RALEIGH	428	2	430
GRANT	51	0	51	RANDOLPH	143	0	143
GREENBRIER	184	0	184	RITCHIE	43	1	44
HAMPSHIRE	75	1	76	ROANE	73	0	73
HANCOCK	185	0	185	SUMMERS	61	0	61
HARDY	64	0	64	TAYLOR	71	0	71
HARRISON	238	2	240	TUCKER	35	0	35
JACKSON	122	0	122	TYLER	46	0	46
JEFFERSON	173	0	173	UPSHUR	125	0	125
KANAWHA	1,167	1	1,168	WAYNE	215	0	215
LEWIS	115	0	115	WEBSTER	52	0	52
LINCOLN	136	0	136	WETZEL	92	0	92
LOGAN	268	0	268	WIRT	14	0	14
MCDOWELL	177	0	177	WOOD	474	2	476
MARION	266	0	266	WYOMING	192	1	193
MARSHALL	166	0	166				
MASON	147	0	147	TOTAL	9,133	21	9,154
MERCER	309	1	310				
MINERAL	121	0	121				
MINGO	219	1	220				

NUMBER OF DIVORCES AND ANNULMENTS BY COUNTY
WEST VIRGINIA, 1985-1989
Table 47

COUNTY	1985	1986	1987	1988	1989	COUNTY	1985	1986	1987	1988	1989
BARBOUR	77	95	71	61	99	MONONGALIA	305	345	320	290	340
BERKELEY	289	295	286	309	313	MONROE	55	57	50	57	53
BOONE	187	182	174	167	140	MORGAN	62	55	57	36	57
BRAXTON	68	72	80	67	95	NICHOLAS	170	137	159	155	144
BROOKE	125	113	96	131	117	OHIO	259	214	209	212	170
CABELL	639	589	541	581	550	PENDLETON	31	29	40	28	33
CALHOUN	32	28	34	54	36	PLEASANTS	20	38	45	37	40
CLAY	56	46	53	58	73	POCAHONTAS	38	46	56	37	46
DODDRIDGE	19	18	15	33	15	PRESTON	90	118	122	115	118
FAYETTE	294	289	252	262	233	PUTNAM	251	245	213	238	193
GILMER	31	31	31	26	30	RALEIGH	452	513	468	491	430
GRANT	26	42	32	36	51	RANDOLPH	191	166	132	148	143
GREENBRIER	188	187	174	172	184	RITCHIE	68	66	51	44	44
HAMPSHIRE	70	50	71	82	76	ROANE	84	73	67	68	73
HANCOCK	142	141	149	158	185	SUMMERS	87	66	66	63	61
HARDY	44	54	54	49	64	TAYLOR	84	82	92	74	71
HARRISON	408	349	309	331	240	TUCKER	42	46	46	42	35
JACKSON	144	125	123	119	122	TYLER	53	43	39	36	46
JEFFERSON	150	178	183	180	173	UPSHUR	120	103	83	122	125
KANAWHA	1,286	1,293	1,187	1,165	1,168	WAYNE	234	251	241	203	215
LEWIS	83	117	74	92	115	WEBSTER	54	45	46	72	52
LINCOLN	140	127	118	139	136	WETZEL	89	88	63	77	92
LOGAN	255	221	258	258	268	WIRT	25	23	17	17	14
MCDOWELL	234	248	174	225	177	WOOD	516	540	542	498	476
MARION	272	267	270	274	266	WYOMING	152	202	144	182	193
MARSHALL	197	155	156	158	166						
MASON	163	172	141	129	147						
MERCER	398	428	351	363	310	TOTAL	9,851	9,804	9,141	9,352	9,154
MINERAL	122	115	107	96	121						
MINGO	180	186	209	235	220						

DIVORCES AND ANNULMENTS BY AGE OF HUSBAND AND WIFE
WEST VIRGINIA, 1989
Table 48

AGE OF WIFE	AGE OF HUSBAND											
	15-19 YEARS	20-24 YEARS	25-29 YEARS	30-34 YEARS	35-39 YEARS	40-44 YEARS	45-49 YEARS	50-54 YEARS	55-59 YEARS	60 & OVER YEARS	UNKNOWN	TOTAL
10-14 YEARS	0	0	0	0	0	0	0	0	0	0	1	1
15-19 YEARS	46	206	36	9	4	2	0	1	0	0	2	306
20-24 YEARS	28	638	618	188	49	12	2	5	2	0	1	1,543
25-29 YEARS	1	94	732	587	204	62	19	15	4	4	8	1,730
30-34 YEARS	0	22	147	649	521	162	51	16	10	5	9	1,592
35-39 YEARS	1	11	44	135	468	367	108	39	12	13	5	1,203
40-44 YEARS	0	1	12	34	88	352	194	53	32	28	1	795
45-49 YEARS	0	0	1	12	23	56	145	113	33	27	2	412
50-54 YEARS	0	0	4	2	7	15	20	64	50	48	3	213
54-59 YEARS	0	0	0	0	1	7	9	13	42	52	1	125
60 & OVER	0	0	0	0	1	4	5	3	13	132	2	160
UNKNOWN	2	7	11	19	15	11	8	4	4	4	989	1,074
TOTAL	78	979	1,605	1,635	1,381	1,050	561	326	202	313	1,024	9,154

DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE AND NUMBER OF CHILDREN
WEST VIRGINIA, 1989
Table 49

DURATION OF MARRIAGE IN YEARS	NUMBER OF CHILDREN REPORTED UNDER 18 YEARS OF AGE										
	NONE	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT OR MORE	UNKNOWN	TOTAL
UNDER 1	505	46	13	1	0	0	0	0	0	0	565
1 TO 5	2,167	1,009	338	51	7	1	1	0	0	0	3,574
6 TO 10	633	640	604	146	19	3	2	0	0	0	2,047
11 TO 15	259	321	440	177	26	6	2	0	0	0	1,231
16 TO 20	133	221	300	134	21	5	1	2	0	0	817
21 TO 25	186	166	64	30	2	0	0	0	1	0	449
26 TO 30	139	61	8	6	0	0	0	0	0	0	214
31 TO 35	100	12	1	2	1	0	0	0	0	0	116
36 TO 40	51	4	2	0	0	0	0	0	0	0	57
41 TO 45	33	1	0	0	0	0	0	0	0	0	34
46 TO 50	8	0	0	0	0	0	0	0	0	0	8
51 TO 55	2	0	0	0	0	0	0	0	0	0	2
56 TO 60	0	0	0	0	0	0	0	0	0	0	0
OVER 60	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	21	10	9	0	0	0	0	0	0	0	40
TOTAL	4,237	2,491	1,779	547	76	15	6	2	1	0	9,154

APPENDIXES

APPENDIX A CERTIFICATES AND FORMS

Certificate of Live Birth

WEST VIRGINIA STATE DEPARTMENT OF HEALTH
VITAL REGISTRATION OFFICE

BIRTH NO.

CERTIFICATE OF LIVE BIRTH 147 —

CHILD

CERTIFIER ATTENDANT

MOTHER

FATHER

INFORMANT

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

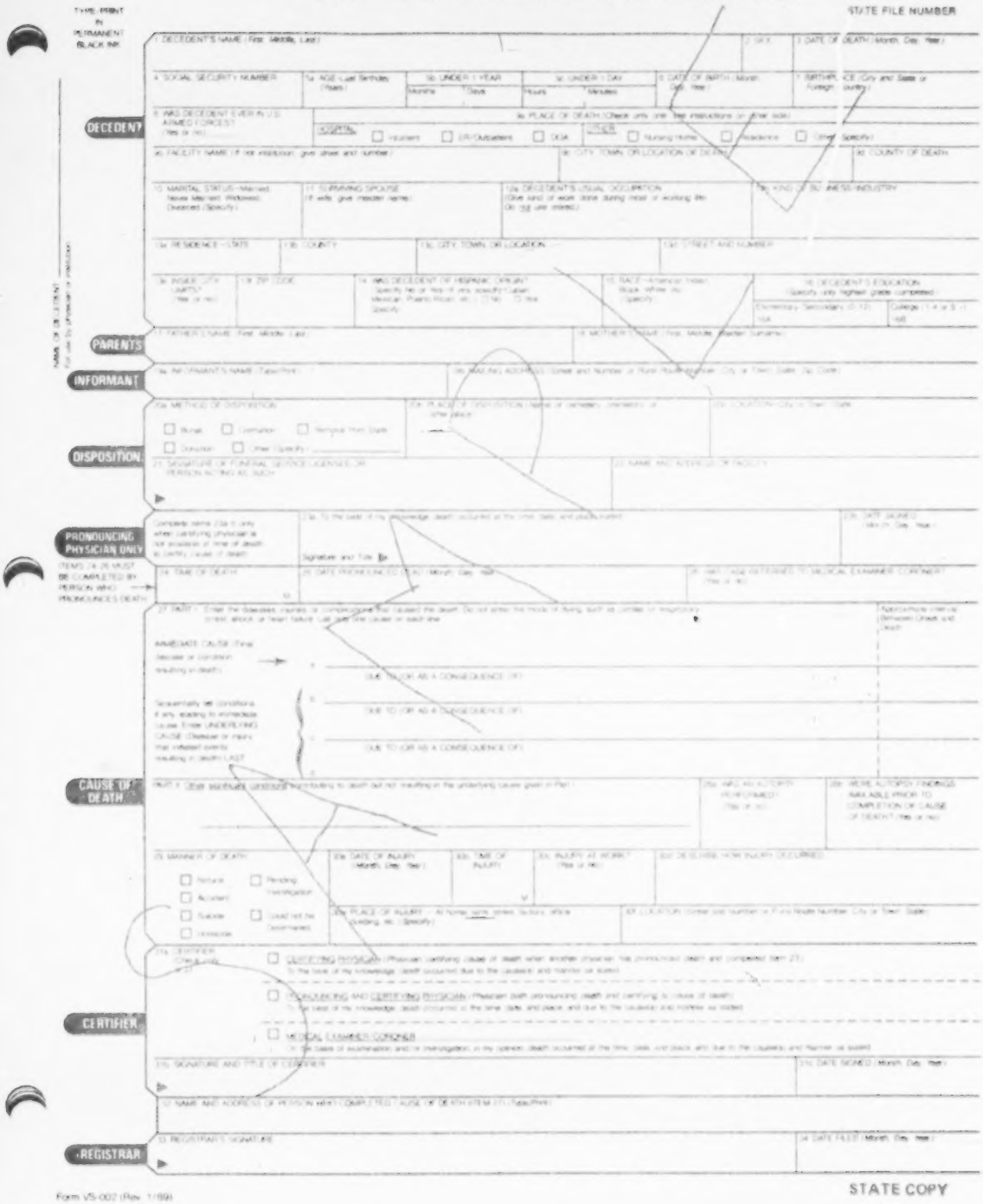
MOTHER

FATHER

THIS PREGNANCY MARK AT LEAST ONE CATEGORY IN THIS COLUMN

FORM VS-001 (Rev. 1/89) STATE COPY

Physician's/Medical Examiner's Certificate of Death



WEST VIRGINIA DEPARTMENT OF HEALTH & HUMAN SERVICES
DIVISION OF HEALTH - VITAL REGISTRATION OFFICE
PHYSICIAN'S/MEDICAL EXAMINER'S CERTIFICATE OF DEATH

TYPE, PRINT IN PERMANENT BLACK INK

STATE FILE NUMBER

DECEDENT

PARENTS

INFORMANT

DISPOSITION

PRONOUNCING PHYSICIAN ONLY

ITEMS 24-26 MUST BE COMPLETED BY PERSON WHO PRONOUNCES DEATH

CAUSE OF DEATH

CERTIFIER

REGISTRAR

Form VS-002 (Rev. 1/99)

STATE COPY

Certificate of Fetal Death

WEST VIRGINIA DEPARTMENT OF HEALTH — VITAL REGISTRATION OFFICE

REPORT OF FETAL DEATH

PARENTS

CAUSE

CERTIFIER

BURIAL

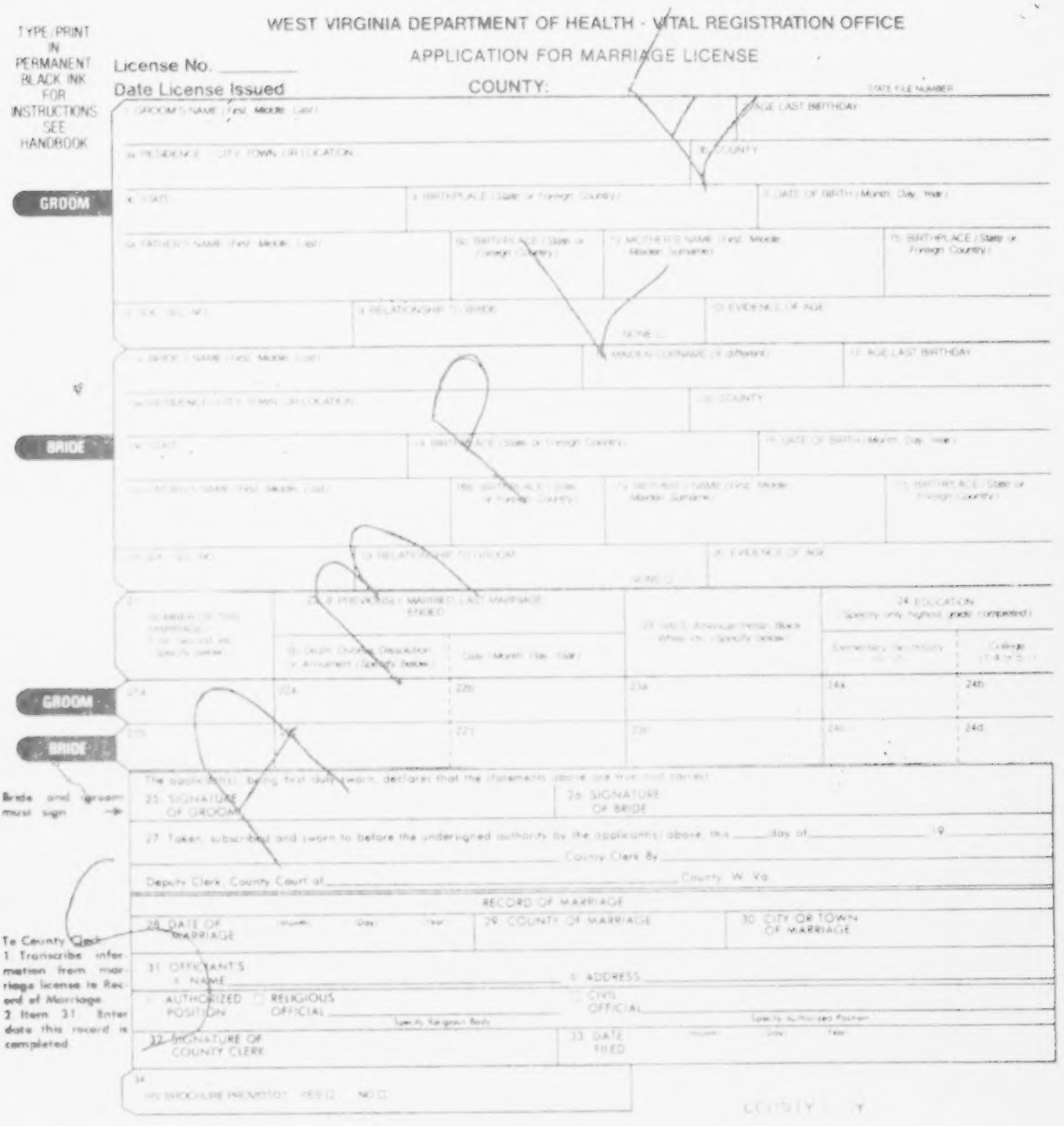
CONFIDENTIAL INFORMATION FOR MEDICAL AND HEALTH USE ONLY

MOTHER

FATHER

MEDICAL AND HEALTH INFORMATION

Application for Marriage License



TYPE / PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK

WEST VIRGINIA DEPARTMENT OF HEALTH - VITAL REGISTRATION OFFICE

APPLICATION FOR MARRIAGE LICENSE

License No. _____

Date License Issued

COUNTY:

STATE FILE NUMBER

GROOM

BRIDE

GROOM

BRIDE

Bride and groom must sign

To County Clerk:
1. Transcribe information from marriage license to Record of Marriage.
2. Item 31. Enter date this record is completed.

RECORD OF MARRIAGE

FORM VS-608 (REV. 1/88)

Monthly Report of Divorces and Annulments of Marriage Granted

WEST VIRGINIA STATE DEPARTMENT OF HEALTH
DIVISION OF VITAL STATISTICS

Page No. ____

MONTHLY REPORT OF DIVORCES AND ANNULMENTS OF MARRIAGE GRANTED

_____ COUNTY REPORT FOR THE MONTH OF _____, 19 ____

CIVIL ACTION NUMBER	NAME HUSBAND'S FULL NAME WIFE'S MAIDEN NAME	DATE OF BIRTH, OR AGE	PLACE OF THIS MARRIAGE COUNTY STATE	DATE OF THIS MARRIAGE	PLAINTIFF (SPECIFY)	DIVORCE OR ANNULMENT (SPECIFY)	NAME(S) CHILDREN UNDER EIGHTEEN	DATE OF THIS DECREE	DO NOT WRITE IN THIS SPACE
				SAMPLE					

DVS-9 (5-'67)

(SEE REVERSE SIDE FOR INSTRUCTIONS AND CERTIFICATION)

APPENDIX B

GROUPINGS OF ICDA CODES

I.C.D.A.	SELECTED CAUSES
001-009	Intestinal infectious diseases
010-018	Tuberculosis
038	Septicemia
140-208	Malignant neoplasms
150-159	--of digestive organs and peritoneum
160-165	--of respiratory and intrathoracic organs
179-189	--of genitourinary organs
210-239	Benign neoplasms, carcinoma in situ, and neoplasms of uncertain behavior and of unspecified nature
250	Diabetes mellitus
260-269	Nutritional deficiencies
280-285	Anemias
390-448	Major cardiovascular diseases
390-398, 402, 404-429	Diseases of the heart
401,403	Hypertension with or without renal disease
430-438	Cerebrovascular diseases
440	Arteriosclerosis
441-448	Other diseases of arteries, arterioles, and capillaries
480-487	Pneumonia and influenza
480-486	Pneumonia
487	Influenza
490-496	Chronic obstructive pulmonary disease and allied conditions
490-493	Bronchitis, emphysema, and asthma
500-508	Pneumoconiosis and other lung diseases due to external agents
500	Coalworker's pneumoconiosis
531-533	Ulcer of stomach and duodenum
550-553, 560	Hernia of abdominal cavity and intestinal obstruction
571	Chronic liver disease and cirrhosis
574-575	Cholelithiasis and other disorders of gallbladder
580-589	Nephritis, nephrotic syndrome, and nephrosis
590	Infection of kidney
740-759	Congenital anomalies
760-779	Certain conditions originating in the perinatal period
765	Disorders relating to short gestation and unspecified low birthweight
767-769	Birth trauma, intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome
780-799	Symptoms, signs, and ill defined conditions
E800-E949	Accidents, all forms
E810-E825	Motor vehicle accidents
	Home accidents
	Work accidents
E950-959	Suicide
E960-969	Homicide
Residual Codes	All other causes